

# SWIFTBROADBAND TYPE APPROVED SYSTEMS

## 1.1. Notes for ESAS activation of “Swift64/Classic” Associated Systems:

- All Swift64/Classic Systems shall contain the widened frequency check algorithm and be activated in ESAS as “Category A” (as default).
- Only aircraft that are protecting non-standard (GPS) navigational system (e.g., Glonass) are permitted to be activated as Cat-B. (Type F diplexer does not require a Frequency Check Algorithm) [Receiver L-band: 1525 -1559MHz]

*Note: Inmarsat’s spectrum management is optimised to make available for the majority of the users, the larger channel pools (Cat-A).*

## 1.2. Notes for Swift64 Type Approval:

- All AESs shall be compliant to CP-080 (GPS inter-modulation protection as the default <1585MHz) [Cat-A = 34MHz tuning].
- All AESs shall have a Ocean Region Registration process repeat timer value of 30 minutes (TM079).

## 1.3. The following tables identify:

- Type Approved SwiftBroadband Systems (consisting of the Antenna, DLNA & Avionics)
- Antennas Assessed for SwiftBroadband Usage.
- DLNAs Assessed for SwiftBroadband Usage.
- Avionics Assessed for SwiftBroadband Usage.

The order of the Approval/Assessment entries within the following tables is Alpha-Numerical and is based upon the Class of UE together with the Manufacturers/Integrators Unique Two Digit Identification code e.g., S6IN01 (SBB + Class 6 + Inmarsat + 01-99).

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|--|---|
| – AA = AeroAntenna Technology Inc, [M]         | – HW = Honeywell Aerospace, [M]           |
| – BA = Ball Aerospace & Technologies Corp, [M] | – LF = Lufthansa Technik AG [I]           |
| – BO = Boeing [I]                              | – RK = Rockwell Collins, [M]              |
| – CD = COM Dev International Ltd [M]           | – SV = Seavey Engineering Associates, [M] |
| – CH = Omnipless/Chelton Inc/Cobham, [M]       | – TH = Thales Avionics Ltd [M]            |
| – CM = CMC Electronics, [M]                    | – TT = Thrane & Thrane AS, [M]            |
| – ES = EMS Technologies Canada Ltd [M]         | – GN = Gotonomi, [M]                      |

For Aeronautical Type Approval information & queries, related to this list, please contact [Christophe.Joubard@viasat.com](mailto:Christophe.Joubard@viasat.com)

For SwiftbroadBand Product related issues/information, please contact [Ashutosh.Prasad@Viasat.com](mailto:Ashutosh.Prasad@Viasat.com).

## 2. TYPE APPROVED SUMMARY TABLE

"Multi-Channel" = 2 \* SBB channels or 1 \* SBB channel + Classic.

| SBB                                 | TAP | CLASSIC | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME        | ANTENNA           | NO CHANNELS    | DATE      |
|-------------------------------------|-----|---------|-----------|---------|----------|-------------------|-------------------|----------------|-----------|
| <b>Boeing</b>                       |     |         |           |         |          |                   |                   |                |           |
| S6BO01                              |     | 5BOP20  | Yes       | 76BO20  | B6ES04   | HSD-440           | Ball Airlink HGAS | Multi-Channel  | May 2010  |
| S6BO02                              |     | 5BOP21  | Yes       | 76BO20  | B6ES03   | HSD-400           | Ball Airlink HGAS | Multi-Channel  | July 2010 |
| S6BO03                              |     | 5BOP22  | Yes       | N/A     | B6TH02   | Thales Top Flight | CMA-2102SB        | Multi-Channel  | Jan 2012  |
| S7BO01                              |     | 5BOP23  | Yes       | N/A     | B7TH02   | Thales Top Flight | CMA-2200SB        | Single-Channel | Jun 2012  |
| S7BO02                              |     | 5BOP24  | Yes       | N/A     | B7TH02   | Thales Top Flight | CMA-2200SB        | Multi-Channel  | Jun 2012  |
| <b>Chelton Inc/Cobham/Omnipless</b> |     |         |           |         |          |                   |                   |                |           |
| S6CH01                              |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330    | HGA-7000          | Multi-Channel  | May 2009  |
| S6CH02                              |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330    | HGA-7001          | Multi-Channel  | May 2009  |
| S6CH03                              |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330    | HGA-8000          | Multi-Channel  | May 2009  |
| S6CH04                              |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330    | HGA-6000/6500     | Single-Channel | Sep 2009  |
| S6CH05                              |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330    | HGA-7000          | Single-Channel | Sep 2009  |
| S6CH06                              |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330    | HGA-7001          | Single-Channel | Sep 2009  |
| S6CH07                              |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330    | HGA-6000/6500     | Multi-Channel  | Nov 2009  |



| SBB                                | TAP | CLASSIC | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME       | ANTENNA       | NO CHANNELS              | DATE     |
|------------------------------------|-----|---------|-----------|---------|----------|------------------|---------------|--------------------------|----------|
| S6CH08                             |     | N/A     | N/A       | N/A     | B6CH02   | SDU-7315         | HGA-6000/6500 | Single-Channel           | Nov 2010 |
| S7CH01                             |     | N/A     | N/A       | N/A     | B7CH01   | SDU-7320, 7330   | IGA-5001      | Multi-Channel            | Jun 2010 |
| S7CH02                             |     | N/A     | N/A       | N/A     | B7CH01   | SDU-7320, 7330   | IGA-5006      | Single-Channel           | Dec 2009 |
| S7CH03                             |     | N/A     | N/A       | N/A     | B7CH02   | SDU-7315         | IGA-5006      | Single-Channel           | Nov 2010 |
| S15CH01                            |     | N/A     | N/A       | N/A     | B15CH01  | SDU-7310         | LGA-3000      | Single-Channel           | Feb 2011 |
| S7CH04                             |     | N/A     | N/A       | N/A     | B7CH02   | SDU-7315         | IGA-5001      | Single-Channel           | Dec 2011 |
| S6CH09                             |     | N/A     | N/A       | N/A     | B6CH03   | SDU-7330-004     | HGA-7000      | Multi-Channel<br>(4xSBB) | Apr 2012 |
| S6CH10                             |     | N/A     | N/A       | N/A     | B6CH03   | SDU-7330-004     | HGA-7001      | Multi-Channel<br>(4xSBB) | Apr 2012 |
| S6CH11                             |     | N/A     | N/A       | N/A     | B6CH03   | SDU-7330-004     | HGA-6000/6500 | Multi-Channel<br>(4xSBB) | Apr 2012 |
| S6CH12                             |     | N/A     | N/A       | N/A     | B6CH01   | SDU-7320, 7330   | AMT-50        | Single-Channel           | Apr 2012 |
| S6CH13                             |     | N/A     | N/A       | N/A     | B6TT01   | Aviator 350/350D | HGA-8000      | Single-Channel           | May 2019 |
| S7CH05                             |     | N/A     | N/A       | N/A     | B7CH03   | SDU-7330-004     | CMA-2200SB    | Multi-Channel<br>(4xSBB) | May 2012 |
| S7CH06                             |     | N/A     | N/A       | N/A     | B7CH03   | SDU-7330-004     | IGA-5001      | Multi-Channel<br>(4xSBB) | May 2012 |
| S4CH01                             |     | N/A     | Yes       | N/A     | B4TT01   | Aviator UAV 200  | N/A=/.po      | Single-Channel           | Dec 2016 |
| <b>EMS Technologies Canada Ltd</b> |     |         |           |         |          |                  |               |                          |          |



| SBB     | TAP        | CLASSIC          | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME                | ANTENNA            | NO CHANNELS              | DATE      |
|---------|------------|------------------|-----------|---------|----------|---------------------------|--------------------|--------------------------|-----------|
| S6ES01  |            | N/A              | N/A       | 76ES09  | B6ES02   | HSD-400i                  | AMT-50             | Multi-Channel            | May 2008  |
| S6ES02  |            | N/A              | N/A       | 76ES08  | B6ES03   | HSD-400                   | AMT-50             | Multi-Channel            | May 2008  |
| S6ES03  | 002<br>003 | N/A              | N/A       | 76ES09  | B6ES02   | HSD-400i                  | AMT-3800           | Multi-Channel            | Dec 2008  |
| S6ES04  |            | N/A              | N/A       | 76ES08  | B6ES03   | HSD-400                   | AMT-3800           | Multi-Channel            | Dec 2008  |
| S6ES05  |            | 5ESP08<br>5ESP14 | Yes       | 76ES10  | B6ES04   | HSD-440                   | AMT-3800           | Multi-Channel            | Oct 2010  |
| S6ES06  |            | 5ESP09<br>5ESP15 | Yes       | 76ES10  | B6ES04   | HSD-440                   | AMT-50             | Multi-Channel            | Oct 2010  |
| S6ES07  | 002<br>003 | na               | Yes       | 76ES09  | B6ES02   | HSD-400i                  | AMT-700            | Multi-Channel            | July 2010 |
| S6ES08  |            | 5ESP13<br>5ESP16 | Yes       | 76ES10  | B6ES04   | HSD-440                   | AMT-700            | Multi-Channel            | Oct 2010  |
| S7ES01  |            | N/A              | N/A       | N/A     | B7ES01   | HSD-400i                  | AMT-3500           | Multi-Channel            | Aug 2009  |
| S15ES01 |            | N/A              | N/A       | N/A     | B15ES01  | HSD-Xss1<br>Aspire 200 LG | Sensor System Omni | Single-Channel           | May 2011  |
| S6ES09  |            | N/A              | Yes       | 76ES11  | B6ES05   | HSD400i+2x HSDXi          | AMT-50             | Multi-Channel<br>(4xSBB) | Mar 2012  |
| S7ES02  |            | N/A              | Yes       | N/A     | B7ES02   | Aspire 200 IG             | AMT-3500           | Single-Channel           | May 2011  |
| S6ES10  |            | N/A              | Yes       | 76ES12  | S6es     | Aspire 200 HG             | AMT-3800           | Single-Channel           | May 2011  |
| S6ES11  |            | N/A              | Yes       | 76ES12  | B6ES06   | Aspire 200 HG             | AMT-700            | Single-Channel           | May 2011  |



| SBB                        | TAP | CLASSIC          | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME        | ANTENNA       | NO CHANNELS    | DATE     |
|----------------------------|-----|------------------|-----------|---------|----------|-------------------|---------------|----------------|----------|
| S15ES02                    |     | N/A              | Yes       | N/A     | B15ES01  | Aerowave 100      | AT1675-180    | Single-Channel | May 2014 |
| S7ES03                     |     | N/A              | Yes       | N/A     | B7ES02   | Aspire 200 IG     | AMT-1800      | Single-Channel | Jun 2014 |
| S6ES12                     |     | 5ESP17           | Yes       | 76ES16  | B6ES04   | HSD-440           | CMA-2102SB    | Multi-Channel  | Sep 2015 |
| S15ES03                    |     | N/A              | Yes       | N/A     | B15ES01  | Aerowave 100 V2   | AT1595-13     | Single-Channel | Sep 2015 |
| S6ES13                     |     | 5ESP18           | Yes       | 76ES17  | B6ES07   | HSD440+HSDXi (x2) | AMT-50        | Multi-Channel  | Dec 2016 |
| S6ES14                     |     | 5ESP19           | Yes       | 76ES17  | B6ES07   | HSD440+HSDXi (x2) | AMT-3800      | Multi-Channel  | Dec 2016 |
| S6ES15                     |     | 5ESP20           | Yes       | 76ES17  | B6ES07   | HSD440+HSDXi (x2) | AMT-700       | Multi-Channel  | Dec 2016 |
| <b>Honeywell Aerospace</b> |     |                  |           |         |          |                   |               |                |          |
| S6HW01                     |     | 5HWP41<br>5HWP61 | Yes       | 76HW07  | B6HW01   | MCS-7120          | AMT-50        | Multi-Channel  | Oct 2010 |
| S6HW02                     |     | 5HWP17           | Yes       | 76HW06  | B6HW02   | MCS-7147          | AMT-50        | Multi-Channel  | Aug 2008 |
| S6HW03                     |     | 5HWP50           | Yes       | 76HW06  | B6HW02   | MCS-7163          | HGA-6000/6500 | Multi-Channel  | Nov 2008 |
| S6HW04                     |     | 5HWP49           | Yes       | 76HW06  | B6HW02   | MCS-7147          | HGA-6000/6500 | Multi-Channel  | Nov 2008 |
| S6HW05                     |     | 5HWP48<br>5HWP62 | Yes       | 76HW07  | B6HW01   | MCS-7120          | HGA-6000/6500 | Multi-Channel  | Oct 2010 |
| S6HW06                     |     | 5HWP30           | Yes       | 76HW03  | B6HW03   | MCS-7200          | CMA-2102SB    | Multi-Channel  | Mar 2009 |
| S6HW07                     |     | 5HWP47           | Yes       | 76HW03  | B6HW03   | MCS-7200          | HGA-6000/6500 | Multi-Channel  | May 2009 |



| SBB    | TAP | CLASSIC          | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME | ANTENNA    | NO CHANNELS   | DATE     |
|--------|-----|------------------|-----------|---------|----------|------------|------------|---------------|----------|
| S6HW08 |     | 5HWP03           | Yes       | 76HW06  | B6HW02   | MCS-7163   | AMT-50     | Multi-Channel | May 2009 |
| S6HW09 |     | 5HWP42           | Yes       | 76HW03  | B6HW03   | MCS-7200   | HGA-7001   | Multi-Channel | Dec 2009 |
| S6HW10 |     | 5HWP52           | Yes       | 76HW06  | B6HW02   | MCS-7163   | HGA-7001   | Multi-Channel | Dec 2009 |
| S6HW11 |     | 5HWP53           | Yes       | 76HW06  | B6HW02   | MCS-7147   | HGA-7001   | Multi-Channel | Dec 2009 |
| S6HW12 |     | 5HWP54<br>5HWP63 | Yes       | 76HW07  | B6HW01   | MCS-7120   | HGA-7001   | Multi-Channel | Oct 2010 |
| S6HW13 |     | 5HWP55<br>5HWP64 | Yes       | 76HW07  | B6HW01   | MCS-7120   | AMT-3800   | Multi-Channel | Oct 2010 |
| S6HW14 | 002 | 5HWP45           | Yes       | 76HW06  | B6HW02   | MCS-7147   | AMT-3800   | Multi-Channel | Jul 2010 |
| S6HW15 | 002 | 5HWP44           | Yes       | 76HW06  | B6HW02   | MCS-7163   | AMT-3800   | Multi-Channel | Jul 2010 |
| S6HW16 |     | 5HWP43           | Yes       | 76HW03  | B6HW03   | MCS-7200   | AMT-3800   | Multi-Channel | Jul 2010 |
| S6HW17 |     | 5HWP56<br>5HWP65 | Yes       | 76HW07  | B6HW01   | MCS-7120   | AMT-700    | Multi-Channel | Oct 2010 |
| S6HW18 | 002 | 5HWP57           | Yes       | 76HW06  | B6HW02   | MCS-7147   | AMT-700    | Multi-Channel | Jul 2010 |
| S6HW19 | 002 | 5HWP58           | Yes       | 76HW06  | B6HW02   | MCS-7163   | AMT-700    | Multi-Channel | Jul 2010 |
| S6HW20 |     | 5HWP59           | Yes       | 76HW03  | B6HW03   | MCS-7200   | AMT-50     | Multi-Channel | Jul 2010 |
| S6HW21 |     | 5HWP60           | Yes       | 76HW03  | B6HW03   | MCS-7200   | AMT-700    | Multi-Channel | Jul 2010 |
| S6HW22 |     | 5HWP29           | Yes       | N/A     | B6HW02   | MCS-7147   | CMA-2102SB | Multi-Channel | Apr 2013 |



| SBB                      | TAP        | CLASSIC | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME        | ANTENNA             | NO CHANNELS    | DATE      |
|--------------------------|------------|---------|-----------|---------|----------|-------------------|---------------------|----------------|-----------|
| S6HW23                   |            | 5HWP67  | Yes       | N/A     | B6HW02   | MCS-7147          | Ball Airlink HGAS   | Multi-Channel  | Apr 2019  |
| S6HW24                   | 001<br>002 | N/A     | Yes       | N/A     | B6HW04   | Aspire 400        | AMT-3800            | Multi-Channel  | Oct 2020  |
| S6HW25                   | 001<br>002 | N/A     | Yes       | N/A     | B6HW04   | Aspire 400        | HGA-7001            | Multi-Channel  | Oct 2020  |
| S6HW26                   | 001        | N/A     | Yes       | N/A     | B6HW04   | Aspire 400        | AMT-700             | Multi-Channel  | Oct 2024  |
| S6HW27                   | 001        | N/A     | Yes       | N/A     | B6HW04   | Aspire 400        | AMT-3800            | Multi-Channel  | Jun 2024  |
| S7HW01                   | 001<br>002 | N/A     | Yes       | N/A     | B7HW01   | Aspire 400        | AMT-1800            | Multi-Channel  | Oct 2020  |
| S7HW02                   | 001<br>002 | N/A     | Yes       | N/A     | B7HW01   | Aspire 400        | CMA-2200SB          | Multi-Channel  | Oct 2020  |
| S7HW03                   |            | N/A     | Yes       | N/A     |          | Small Satcom + 5G | AMT+1800            | Single-Channel | Nov 2024  |
| S15HW01                  | 001<br>002 | N/A     | Yes       | N/A     | B15HW01  | Small Satcom UAV  | AAT:1595-13BK Rev C | Single-Channel | Feb 2021  |
| S15HW02                  |            | N/A     | Yes       | N/A     | B15HW02  | Small Satcom + 5G | AAT:1595-13BK Rev C | Single-Channel | Oct 2024  |
| <b>Lufthansa Technik</b> |            |         |           |         |          |                   |                     |                |           |
| S6LF01                   |            | 5HWP29  | Yes       | N/A     | B6HW02   | MCS-7147          | CMA-2102SB          | Multi-Channel  | Sep 2009  |
| S6LF02                   |            | 5HWP04  | Yes       | N/A     | B6HW02   | MCS-7163          | CMA-2102SB          | Multi-Channel  | July 2010 |
| S6LF03                   |            | 5LFP01  | Yes       | 76LF01  | B6ES04   | HSD-440           | HGA-7001            | Multi-Channel  | Sep 2011  |



| SBB                     | TAP | CLASSIC | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME | ANTENNA           | NO CHANNELS   | DATE      |
|-------------------------|-----|---------|-----------|---------|----------|------------|-------------------|---------------|-----------|
| S6LF04                  |     | 5LFP02  | Yes       | 76LF02  | B6HW03   | MCS-7200   | Ball Airlink HGAS | Multi-Channel | June 2012 |
| <b>Rockwell Collins</b> |     |         |           |         |          |            |                   |               |           |
| S6RK01                  |     | 5RKP19  | Yes       | 76RK06  | B6RK01   | SRT-2100B  | AMT-50            | Multi-Channel | May 2009  |
| S6RK02                  |     | 5RKP17  | Yes       | 76RK06  | B6RK01   | SRT-2100B  | HGA-7001          | Multi-Channel | May 2009  |
| S6RK03                  |     | 5RKP22* | Yes       | 76RK02  | B6RK02   | SAT-906B   | HGA-7001          | Multi-Channel | Dec 2009  |
| S6RK04                  |     | 5RKP23  | Yes       | 76RK02  | B6RK02   | SAT-906B   | CMA-2102SB        | Multi-Channel | Dec 2009  |
| S6RK05                  |     | 5RKP21  | Yes       | 76RK06  | B6RK01   | SRT-2100B  | CMA-2102SB        | Multi-Channel | Jan 2010  |
| S6RK06                  |     | 5RKP16  | Yes       | 76RK06  | B6RK01   | SRT-2100B  | AMT-3800          | Multi-Channel | Feb 2010  |
| S6RK07                  |     | 5RKP26  | Yes       | Na      | B6RK03   | SAT-2200   | HGA-7001          | Multi-Channel | Jun 2011  |
| S6RK08                  |     | 5RKP24* | Yes       | 76RK02  | B6RK02   | SAT-906B   | AMT-50            | Multi-Channel | Sep 2011  |
| S6RK09                  |     | 5RKP27  | Yes       | 76RK08  | B6RK05   | SAT-2200A  | HGA-7001          | Multi-Channel | Aug 2014  |
| S6RK10                  |     | 5RKP28* | Yes       | 76RK06  | B6RK01   | SAT-2100B  | AMT-700           | Multi-Channel | Mar 2012  |
| S6RK11                  |     | 5RKP29  | Yes       | 76RK06  | B6RK01   | SAT-2100B  | HGA-7000          | Multi-Channel | Nov 2011  |
| S6RK12                  |     | 5RKP30* | Yes       | NA      | B6RK04   | SAT-2200   | HGA-7001          | Multi-Channel | Feb 2012  |
| S6RK13                  |     | 5RKP26* | Yes       | NA      | B6RK03   | SAT-2200   | HGA-7001          | Multi-Channel | Feb 2012  |
| S6RK14                  |     | 5RKP31  | Yes       | 76RK11  | B6RK06   | SAT-2200-2 | AMT-700           | Multi-Channel | Jul 2012  |





| SBB                           | TAP | CLASSIC           | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME       | ANTENNA       | NO CHANNELS    | DATE            |
|-------------------------------|-----|-------------------|-----------|---------|----------|------------------|---------------|----------------|-----------------|
| S6RK15                        |     | 5RKP32            | Yes       | N/A     | B6RK04   | SAT-2200         | CMA-2102SB    | Multi-Channel  | PCTA April 2012 |
| S6RK16                        |     | 5RKP33            | Yes       | 76RK02  | B6RK02   | SAT-906B         | AMT-700       | Multi-Channel  | Sep 2012        |
| S6RK17                        |     | 5RKP36            | Yes       | N/A     | B6RK04   | SAT-2200-2       | AMT-3800      | Multi-Channel  | Jan 2018        |
| S6RK18                        |     | 5RKP37            | Yes       | 76RK13  | B6RK06   | SAT-2200-2       | AMT-3800      | Multi-Channel  | Mar 2017        |
| S6RK19                        |     | 5RKP38            | Yes       | N/A     | B6RK07   | SAT-2200B        | HGA-7001      | Multi-Channel  | Aug 2017        |
| <b>Thales Avionics Ltd</b>    |     |                   |           |         |          |                  |               |                |                 |
| S6TH01                        |     | Pending (5THP02)* | Yes       | N/A     | B6TH01   | TopFlight        | AMT-3800      | Multi-Channel  | May 2009        |
| S6TH03                        |     | 5THP01            | Yes       | N/A     | B6TH01   | TopFlight        | HGA-7001      | Multi-Channel  | May 2010        |
| S7TH01                        |     | N/A               | N/A       | N/A     | B7TH01   | TopFlight        | AMT-3500      | Single-Channel | Jan 2009        |
| S6TH04                        |     | 5THP01            | Yes       | N/A     | B6TH01   | TopFlight        | HGA-7001      | Multi-Channel  | Dec 2011        |
| S6TH05                        |     | 5THP03            | Yes       | N/A     | B6TH02   | Thales TopFlight | CMA-2102SB    | Multi-Channel  | Jan 2012        |
| S6TH06                        |     | 5THP04            | Yes       | N/A     | B6TH02   | Thales TopFlight | HGA-7001      | Multi-Channel  | Feb 2012        |
| <b>Thrane &amp; Thrane AS</b> |     |                   |           |         |          |                  |               |                |                 |
| S6TT01                        |     | N/A               | N/A       | N/A     | B6TT01   | Aviator 350/350D | AMT-50        | Single-Channel | May 2009        |
| S6TT02                        |     | N/A               | N/A       | N/A     | B6TT01   | Aviator 350/350D | HGA-6000/6500 | Single-Channel | Jun 2009        |



| SBB     | TAP        | CLASSIC | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME       | ANTENNA           | NO CHANNELS    | DATE     |
|---------|------------|---------|-----------|---------|----------|------------------|-------------------|----------------|----------|
| S6TT03  |            | 5TTP12  | Yes       | 76TT12  | B6TT02   | Aviator 700/700D | AMT-50            | Multi-Channel  | Jan 2010 |
| S6TT04  |            | 5TTP14  | Yes       | 76TT12  | B6TT02   | Aviator 700/700D | HGA-7000          | Multi-Channel  | Jan 2010 |
| S7TT01  |            | N/A     | N/A       | N/A     | B7TT01   | Aviator 300/300D | TT-5006A          | Single-Channel | Nov 2008 |
| S15TT01 |            | N/A     | N/A       | N/A     | B15TT01  | Aviator 200/200D | TT-3002           | Single-Channel | Oct 2010 |
| S6TT05  |            | N/A     | N/A       | N/A     | B6TT01   | Aviator 350/350D | AMT-700           | Single-Channel | Oct 2011 |
| S6TT06  |            | N/A     | N/A       | N/A     | B6TT01   | Aviator 350/350D | HGA-7001          | Single-Channel | Nov 2011 |
| S6TT07  |            | 5TTP20  | Yes       | 76TT30  | B6TT02   | Aviator 700/700D | AMT-700           | Multi-Channel  | Mar 2012 |
| S7TT02  |            | N/A     | Yes       | N/A     | B7TT01   | Aviator 300/300D | IGA-5001          | Single-Channel | Mar 2012 |
| S6TT08  |            | N/A     | Yes       | N/A     | B6TT01   | Aviator 350/350D | CMA-2102          | Single-Channel | Mar 2012 |
| S6TT09  |            | N/A     | Yes       | N/A     | B6TT01   | Aviator 350/350D | HGA-7000          | Single-Channel | Mar 2012 |
| S6TT10  |            | 5TTP21  | Yes       | 76TT31  | B6TT02   | Aviator 700/700D | HGA-6000          | Multi-Channel  | Mar 2012 |
| S6TT11  |            | N/A     | Yes       | Na      | B6TT01   | Aviator 350/350D | AMT-3800          | Single-Channel | Sep 2012 |
| S6TT12  |            | 5TTP22  | Yes       | 76TT32  | B6TT02   | Aviator 700/700D | HGA-7001          | Multi-Channel  | Nov 2012 |
| S15TT02 |            | N/A     | Yes       | N/A     | B15TT01  | Aviator 200/200D | LGA-3000          | Single-Channel | Dec 2013 |
| S6TT13  |            | 5TTP23  | Yes       | 76TT32  | B6TT02   | Aviator 700/700D | BALL Airlink HGAS | Multi-Channel  | Dec 2013 |
| S6TT14  | 002<br>003 | N/A     | Yes       | N/A     | B6TT03   | Aviator 700S     | HGA-7001          | Multi-Channel  | Sep 2022 |



| SBB             | TAP        | CLASSIC | I4 PROVEN | SWIFT64 | AVIONICS | MODEL NAME   | ANTENNA                 | NO CHANNELS    | DATE                               |
|-----------------|------------|---------|-----------|---------|----------|--------------|-------------------------|----------------|------------------------------------|
| S4TT01          | 002        | N/A     | Yes       | N/A     | B4TT02   | Aviator 200S | HELGA (LGA- 5005)       | Single-Channel | Apr 2020<br>Revised:<br>28/01/2022 |
| S4TT01          | 004<br>005 | N/A     | Yes       | N/A     | B4TT02   | Aviator 200s | HELGA (LGA-5005)        | Single-Channel | Mar 2024                           |
| S4TT01          | 006        | N/A     | Yes       | N/A     | B4TT02   | Aviator 200s | HELGA LTE<br>(LGA-5005) | Single-Channel | Apr 2025                           |
| <b>Gotonomi</b> |            |         |           |         |          |              |                         |                |                                    |
| S4GN01          | 001        | N/A     | Yes       | N/A     | B4GN01   | Velaris 200  | N/A                     | Single-Channel | Oct 2024                           |

\* Classic Interworking Flight Trial required on 1<sup>st</sup> Installation.

\*\* System PIM data required on 1<sup>st</sup> Installation.

### 3. TEST SYSTEM SUMMARY TABLE

| SBB    | CLASSIC | I4 PROVEN | SWIFT64                    | AVIONICS                   | MODEL NAME                             | ANTENNA                                       | COMMENTS  |
|--------|---------|-----------|----------------------------|----------------------------|--|---|---|
| S6TH22 | Pending | N/A       | N/A                        | B6TH01                     | TopFlight                              | Racal Helix "Land Test"                       | Part No: 1616-000<br>12dBi Gain   |
| S6HW29 | 5HWP51  | Yes       | 76HW07<br>76HW06<br>76HW03 | B6HW03<br>B6HW02<br>B6HW01 | MCS-7200 MCS-7163 MCS-7147<br>MCS-7120 | Racal Helix "Land Test"                       | Part No: 1616-000<br>12dBi Gain   |
| S6ES27 | 5ESP10  | Yes       | 76ES10<br>76ES09<br>76ES08 | B6ES04<br>B6ES03<br>B6ES02 | HSD-440 HSD-400 HSD-400i               | Seavey Model:<br>9227- 800/810<br>"Land Test" | Part No: 1152-A-0450<br>16dBi Gain*: A<br>Mandatory, 4dB<br>attenuation is required<br>in both the Transmit &<br>Receive paths. |

\* The nominal SBB Class 6 Transmit Power is 20dBW (using a 12dBi Antenna Gain) and a typical Receive C/No of 64dB/Hz.

**Note:** Care should be exercised in matching non-standard SBB configurations, as any SBB Avionics not operated with respect to the nominal/typical operating range (for both the transmit and receive capabilities) will result in unrealistic/unrepeatable data being obtained compared to the normal operation. Furthermore, increasing the transmit EIRP beyond the nominal range will result in a degradation in QoS.

#### 4. SWIFTBROADBAND TYPE APPROVED SYSTEMS

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                    |              | DLNA              |                           |        | AVIONICS/HPA                     |                             |                |       |
|--|-------------------|------------------------------------|--------------|-------------------|---------------------------|--------|----------------------------------|-----------------------------|----------------|-------|
|  | Assessment Number | Manufacturer                       | Model Name   | Assessment Number | Manufacturer              | Type   | Assessment Number                | Manufacturer                | Model Name     | Class |
| <b>S6B001</b><br>Class 6,<br>Multi-Channel<br><br><b>18<sup>th</sup> May 2010</b><br><br><b>Boeing</b> | AHBA01            | Ball Aerospace & Technologies Corp | Airlink HGAS | DTFCM01           | COM DEV International Ltd | Type F | B6ES04                           | EMS Technologies Canada Ltd | HSD-400        | 6     |
|  |                   |                                    |              |                   |                           |        | <b>Associated Systems</b>        |                             |                |       |
|  |                   |                                    |              |                   |                           |        | Aero Classic 5BOP20 I4 Operation |                             | Swift64 76BO20 |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                    |              | DLNA              |                           |        | AVIONICS/HPA                     |                             |                |       |
|---|-------------------|------------------------------------|--------------|-------------------|---------------------------|--------|----------------------------------|-----------------------------|----------------|-------|
|   | Assessment Number | Manufacturer                       | Model Name   | Assessment Number | Manufacturer              | Type   | Assessment Number                | Manufacturer                | Model Name     | Class |
| <b>S6B002</b><br>Class 6,<br>Multi-Channel<br><br><b>23<sup>rd</sup> July 2010</b><br><br><b>Boeing</b> | AHBA01            | Ball Aerospace & Technologies Corp | Airlink HGAS | DTFCM01           | COM DEV International Ltd | Type F | B6ES03                           | EMS Technologies Canada Ltd | HSD-400        | 6     |
|   |                   |                                    |              |                   |                           |        | <b>Associated Systems</b>        |                             |                |       |
|   |                   |                                    |              |                   |                           |        | Aero Classic 5BOP21 I4 Operation |                             | Swift64 76BO20 |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                 |             | DLNA              |                           |        | AVIONICS/HPA              |              |            |       |
|---|-------------------|-----------------|-------------|-------------------|---------------------------|--------|---------------------------|--------------|------------|-------|
|   | Assessment Number | Manufacturer    | Model Name  | Assessment Number | Manufacturer              | Type   | Assessment Number         | Manufacturer | Model Name | Class |
| <b>S6B003</b><br>Class 6,<br>Multi-Channel<br><br>17 <sup>th</sup> January 2012<br><br>Boeing | AHCM01            | CMC Electronics | CMA- 2102SB | DTFCM01           | COM DEV International Ltd | Type F | B6TH02                    | Thales       | TopFlight  | 6     |
|   |                   |                 |             |                   |                           |        | <b>Associated Systems</b> |              |            |       |
|   |                   |                 |             |                   |                           |        | Aero Classic 5BOP22       |              | N/A        |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                 |             | DLNA              |                           |        | AVIONICS/HPA              |              |            |       |
|--|-------------------|-----------------|-------------|-------------------|---------------------------|--------|---------------------------|--------------|------------|-------|
|  | Assessment Number | Manufacturer    | Model Name  | Assessment Number | Manufacturer              | Type   | Assessment Number         | Manufacturer | Model Name | Class |
| <b>S7B001</b><br>Class 7,<br>Single-Channel<br><br>7 <sup>th</sup> June 2012<br><br>Boeing | AICM02            | CMC Electronics | CMA- 2200SB | DTFCM01           | COM DEV International Ltd | Type F | B7TH02                    | Thales       | TopFlight  | 7     |
|  |                   |                 |             |                   |                           |        | <b>Associated Systems</b> |              |            |       |
|  |                   |                 |             |                   |                           |        | Aero Classic 5BOP23       |              | N/A        |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                 |             | DLNA              |                           |        | AVIONICS/HPA              |              |            |       |
|--|-------------------|-----------------|-------------|-------------------|---------------------------|--------|---------------------------|--------------|------------|-------|
|  | Assessment Number | Manufacturer    | Model Name  | Assessment Number | Manufacturer              | Type   | Assessment Number         | Manufacturer | Model Name | Class |
| <b>S7B002</b><br>Class 7,<br>Multi-Channel<br><br><b>7<sup>th</sup> June 2012</b><br><br><b>Boeing</b> | AICM03            | CMC Electronics | CMA- 2200SB | DTFCM01           | COM DEV International Ltd | Type F | B7TH02                    | Thales       | TopFlight  | 7     |
|  |                   |                 |             |                   |                           |        | <b>Associated Systems</b> |              |            |       |
|  |                   |                 |             |                   |                           |        | Aero Classic 5BOP24       |              | N/A        |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                |            | DLNA                  |                                       |                 | AVIONICS/HPA              |                                |                  |       |
|--|-------------------|--------------------------------|------------|-----------------------|---------------------------------------|-----------------|---------------------------|--------------------------------|------------------|-------|
|  | Assessment Number | Manufacturer                   | Model Name | Assessment Number     | Manufacturer                          | Type            | Assessment Number         | Manufacturer                   | Model Name       | Class |
| <b>S6CH01</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> May 2009</b><br><br><b>Omnipless/ Chelton Inc /Cobham</b> | AHCH02            | Omnipless/ Chelton Inc/ Cobham | HGA-7000   | DTACH01 (HPA-7450)    | DAU:7060 Omnipless/Chelton Inc/Cobham | Type A*         | B6CH01                    | Omnipless/ Chelton Inc/ Cobham | SDU- 7320, 7330. | 6     |
|  |                   |                                |            | DTACH02 (HPA-7450)    | DAU: 7050 COM DEV International Ltd   | Modified Type A | <b>Associated Systems</b> |                                |                  |       |
|  |                   |                                |            | DTFCM01               | DAU:7070                              | Type F          | None                      |                                | None             |       |
|  |                   |                                |            | (HPA-7400) (HPA-7450) | COM DEV International Ltd             |                 |                           |                                |                  |       |

Type A\*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA                               |  |                    | AVIONICS/HPA              |                                      |                     |       |
|---|-------------------|--------------------------------------|------------|------------------------------------|--|--------------------|---------------------------|--------------------------------------|---------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number                  | Manufacturer                                 | Type               | Assessment Number         | Manufacturer                         | Model Name          | Class |
| <b>S6CH02</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> May 2009</b><br><br><b>Omnipless/ Chelton Inc /Cobham</b>      | AHCH04            | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-7001   | DTACH01<br>(HPA-7450)              | DAU:7060<br>Omnipless/Chelton<br>Inc/ Cobham | Type A*            | B6CH01                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU- 7320,<br>7330. | 6     |
|   |                   |                                      |            | DTACH02<br>(HPA-7450)              | DAU: 7050 COM<br>DEV International<br>Ltd    | Modified<br>Type A | <b>Associated Systems</b> |                                      |                     |       |
|   |                   |                                      |            | DTFM01<br>(HPA-7400)<br>(HPA-7450) | DAU:7070 COM<br>DEV International<br>Ltd     | Type F             | None                      |                                      | None                |       |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                      |            |                                    |  |                    |                           |                                      |                     |       |

| TYPE APPROVED SBB<br>SYSTEMS  | ANTENNA                                 |                                      |            | DLNA                  |  |        | AVIONICS/HPA              |                                      |                     |       |
|---|---|--------------------------------------|------------|-----------------------|--|--------|---------------------------|--------------------------------------|---------------------|-------|
|   | Assessment Number                       | Manufacturer                         | Model Name | Assessment Number     | Manufacturer                             | Type   | Assessment Number         | Manufacturer                         | Model Name          | Class |
| <b>S6CH03</b><br><br><b>29<sup>th</sup> May 2009</b><br><br><b>Omnipless/<br/>Chelton Inc /Cobham</b>                               | Class 6,<br>Multi-<br>Channel<br>AHCH03 | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-8000   | DTFCM01<br>(HPA-7400) | DAU:7070 COM<br>DEV<br>International Ltd | Type F | B6CH01                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU- 7320,<br>7330. | 6     |
|   |   |                                      |            |                       |  |        | <b>Associated Systems</b> |                                      |                     |       |
|   |   |                                      |            |                       |  |        | None                      |                                      | None                |       |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |   |                                      |            |                       |  |        |                           |                                      |                     |       |



| TYPE APPROVED SBB SYSTEMS   | ANTENNA           |                                |  | DLNA   |                                |             | AVIONICS/HPA              |                                |                  |       |      |  |  |
|---|-------------------|--------------------------------|--|--|--------------------------------|-------------|---------------------------|--------------------------------|------------------|-------|------|--|--|
|   | Assessment Number | Manufacturer                   | Model Name   | Assessment Number  | Manufacturer                   | Type        | Assessment Number         | Manufacturer                   | Model Name       | Class |      |  |  |
| <b>S6CH04</b><br>Class 6,<br>Single-Channel<br><br>2 <sup>nd</sup> Sept 2009<br><br>Omnipless/ Chelton Inc /Cobham                  | AHCH01            | Omnipless/ Chelton Inc/ Cobham | HGA-6000<br>HGA-6500<br><br>Different Radome Materials | DTACH03<br><br>HLD-7260<br>Integrated: HPA, LNA & Diplexer. (Single-Channel) | Omnipless/ Chelton Inc/ Cobham | Mod Type A* | B6CH01                    | Omnipless/ Chelton Inc/ Cobham | SDU- 7320, 7330. | 6     |      |  |  |
|   |                   |                                |  |  |                                |             | <b>Associated Systems</b> |                                |                  |       |      |  |  |
|   |                   |                                |  |  |                                |             | None                      |                                |                  |       | None |  |  |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                |  |  |                                |             |                           |                                |                  |       |      |  |  |

| TYPE APPROVED SBB SYSTEMS   | ANTENNA           |                                |            | DLNA   |                                |             | AVIONICS/HPA              |                                |                  |       |      |  |  |
|---|-------------------|--------------------------------|------------|--|--------------------------------|-------------|---------------------------|--------------------------------|------------------|-------|------|--|--|
|   | Assessment Number | Manufacturer                   | Model Name | Assessment Number  | Manufacturer                   | Type        | Assessment Number         | Manufacturer                   | Model Name       | Class |      |  |  |
| <b>S6CH05</b><br>Class 6,<br>Single-Channel<br><br>4 <sup>th</sup> Sept 2009<br><br>Omnipless/ Chelton Inc /Cobham                  | AHCH02            | Omnipless/ Chelton Inc/ Cobham | HGA-7000   | DTACH03<br><br>HLD-7260<br>Integrated: HPA, LNA & Diplexer. (Single-Channel) | Omnipless/ Chelton Inc/ Cobham | Mod Type A* | B6CH01                    | Omnipless/ Chelton Inc/ Cobham | SDU- 7320, 7330. | 6     |      |  |  |
|   |                   |                                |            |  |                                |             | <b>Associated Systems</b> |                                |                  |       |      |  |  |
|   |                   |                                |            |  |                                |             | None                      |                                |                  |       | None |  |  |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                |            |  |                                |             |                           |                                |                  |       |      |  |  |





| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA                      |                                      |             | AVIONICS/HPA      |                                      |                     |       |  |  |
|---|-------------------|--------------------------------------|------------|---------------------------|--------------------------------------|-------------|-------------------|--------------------------------------|---------------------|-------|--|--|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number         | Manufacturer                         | Type        | Assessment Number | Manufacturer                         | Model Name          | Class |  |  |
| <b>S6CH06</b><br>Class 6,<br>Single-Channel<br><br><b>4<sup>th</sup> Sept 2009</b><br><br><b>Omnipless/ Chelton Inc /Cobham</b>     | AHCH04            | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-7001   | DTACH03                   | Omnipless/<br>Chelton Inc/<br>Cobham | Mod Type A* | B6CH01            | Omnipless/<br>Chelton Inc/<br>Cobham | SDU- 7320,<br>7330. | 6     |  |  |
|   |                   |                                      |            | <b>Associated Systems</b> |                                      |             |                   |                                      |                     |       |  |  |
|   |                   |                                      |            | None                      |                                      |             | None              |                                      |                     |       |  |  |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                      |            |                           |                                      |             |                   |                                      |                     |       |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                                  | DLNA                                |  |                    | AVIONICS/HPA      |                                      |                     |       |                           |  |      |  |
|---|-------------------|--------------------------------------|----------------------------------|-------------------------------------|--|--------------------|-------------------|--------------------------------------|---------------------|-------|---------------------------|--|------|--|
|   | Assessment Number | Manufacturer                         | Model Name                       | Assessment Number                   | Manufacturer                                 | Type               | Assessment Number | Manufacturer                         | Model Name          | Class |                           |  |      |  |
| <b>S6CH07</b><br>Class 6,<br>Multi-Channel<br><br><b>25<sup>th</sup> Nov 2009</b><br><br><b>Omnipless/ Chelton Inc /Cobham</b>      | AHCH01            | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-6000<br>HGA-6500             | DTACH01<br>(HPA-7450)               | DAU:7060<br>Omnipless/Chelton<br>Inc/ Cobham | Type A*            | B6CH01            | Omnipless/<br>Chelton Inc/<br>Cobham | SDU- 7320,<br>7330. | 6     |                           |  |      |  |
|   |                   |                                      | Different<br>Radome<br>Materials | DTACH02<br>(HPA-7450)               | DAU: 7050 COM<br>DEV International<br>Ltd    | Modified<br>Type A |                   |                                      |                     |       | <b>Associated Systems</b> |  |      |  |
|   |                   |                                      |                                  | DTFCM01<br>(HPA-7400)<br>(HPA-7450) | DAU:7070 COM<br>DEV International<br>Ltd     | Type F             |                   |                                      |                     |       | None                      |  | None |  |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                      |                                  |                                     |  |                    |                   |                                      |                     |       |                           |  |      |  |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |   | DLNA                                    |                                      |             | AVIONICS/HPA              |                                      |            |       |      |  |  |
|---|-------------------|--------------------------------------|---|---|--------------------------------------|-------------|---------------------------|--------------------------------------|------------|-------|------|--|--|
|   | Assessment Number | Manufacturer                         | Model Name  | Assessment Number                       | Manufacturer                         | Type        | Assessment Number         | Manufacturer                         | Model Name | Class |      |  |  |
| <b>S6CH08</b><br>Class 6,<br>Single-Channel<br><br>26 <sup>th</sup> Nov 2010<br>Omnipless/ Chelton Inc /Cobham                      | AHCH01            | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-6000<br>HGA-6500<br><br>Different Radome Material | DTACH03<br>HLD-7260<br>(Single-Channel) | Omnipless/<br>Chelton Inc/<br>Cobham | Mod Type A* | B6CH02                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU-7315   | 6     |      |  |  |
|   |                   |                                      |   |   |                                      |             | <b>Associated Systems</b> |                                      |            |       |      |  |  |
|   |                   |                                      |   |   |                                      |             | None                      |                                      |            |       | None |  |  |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                      |   |   |                                      |             |                           |                                      |            |       |      |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                       |          | AVIONICS/HPA              |                                      |                     |       |      |  |  |
|---|-------------------|--------------------------------------|------------|-------------------|-----------------------|----------|---------------------------|--------------------------------------|---------------------|-------|------|--|--|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer                         | Model Name          | Class |      |  |  |
| <b>S6CH13</b><br>Class 6,<br>Single-Channel<br><br>9 <sup>th</sup> May 2019<br>Omnipless/ Chelton Inc /Cobham | AHCH03            | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-8000   | DTSTT01           | Thrane & Thrane<br>AS | Type 'S' | B6TT01                    | Omnipless/<br>Chelton Inc/<br>Cobham | Aviator<br>350/350D | 6     |      |  |  |
|   |                   |                                      |            |                   |                       |          | <b>Associated Systems</b> |                                      |                     |       |      |  |  |
|   |                   |                                      |            |                   |                       |          | None                      |                                      |                     |       | None |  |  |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA  |   |                    | AVIONICS/HPA      |                                      |                     |       |                           |      |  |
|--|-------------------|--------------------------------------|------------|---|---|--------------------|-------------------|--------------------------------------|---------------------|-------|---------------------------|------|--|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number                             | Manufacturer                                  | Type               | Assessment Number | Manufacturer                         | Model Name          | Class |                           |      |  |
| <b>S7CH01</b><br>Class 7,<br>Multi-Channel<br><br><b>3<sup>rd</sup> June 2010</b><br><br><b>Omnipless/ Chelton Inc /Cobham</b> | AICH02            | Omnipless/<br>Chelton Inc/<br>Cobham | IGA-5001   | DTACH01<br>(HPA-7450)                         | DAU:7060<br>Omnipless/ Chelton<br>Inc/ Cobham | Type A*            | B7CH01            | Omnipless/<br>Chelton Inc/<br>Cobham | SDU- 7320,<br>7330. | 7     |                           |      |  |
|  |                   |                                      |            | DTACH02<br>(HPA-7450)                         | DAU: 7050 COM<br>DEV International<br>Ltd     | Modified<br>Type A |                   |                                      |                     |       | <b>Associated Systems</b> |      |  |
|  |                   |                                      |            | DTFCM01<br>(HPA-7400)<br>(HPA-7450)           | DAU:7070 COM<br>DEV International<br>Ltd      | Type F             |                   |                                      |                     |       | None                      | None |  |
|  |                   |                                      |            | DTACH03<br>(HLD-7260)<br>(Single-<br>Channel) | Omnipless/ Chelton<br>Inc/ Cobham             | Mod Type<br>A*     |                   |                                      |                     |       |                           |      |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA  |  |             | AVIONICS/HPA      |                                      |                     |       |                           |      |  |
|---|-------------------|--------------------------------------|------------|---|--|-------------|-------------------|--------------------------------------|---------------------|-------|---------------------------|------|--|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number                           | Manufacturer                                     | Type        | Assessment Number | Manufacturer                         | Model Name          | Class |                           |      |  |
| <b>S7CH02</b><br>Class 7,<br>Single-Channel<br><br><b>17<sup>th</sup> Dec 2009</b><br><br><b>Omnipless/ Chelton Inc /Cobham</b> | AICH01            | Omnipless<br>/Chelton Inc<br>/Cobham | IGA-5006   | DTACH03<br>HLD-7260<br>(Single-<br>Channel) | Omnipless/<br>Chelton Inc/<br>Cobham             | Mod Type A* | B7CH01            | Omnipless/<br>Chelton Inc/<br>Cobham | SDU- 7320,<br>7330. | 7     |                           |      |  |
|   |                   |                                      |            | DTACH01<br>(HPA-7450)                       | DAU:7060<br>Omnipless/<br>Chelton Inc/<br>Cobham | Type A*     |                   |                                      |                     |       | <b>Associated Systems</b> |      |  |
|   |                   |                                      |            |   |  |             |                   |                                      |                     |       | None                      | None |  |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA  |                                      |                | AVIONICS/HPA              |                                      |            |       |
|---|-------------------|--------------------------------------|------------|---|--------------------------------------|----------------|---------------------------|--------------------------------------|------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number                               | Manufacturer                         | Type           | Assessment Number         | Manufacturer                         | Model Name | Class |
| <b>S7CH03</b><br>Class 7,<br>Single-Channel<br><br>26 <sup>th</sup> Nov 2010<br><br>Omnipless/ Chelton<br>Inc /Cobham | AICH01            | Omnipless<br>/Chelton Inc<br>/Cobham | IGA-5006   | DTACH03<br>HLD-7260<br><br>(Single-<br>Channel) | Omnipless/<br>Chelton Inc/<br>Cobham | Mod Type<br>A* | B7CH02                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU-7315   | 7     |
|   |                   |                                      |            |   |                                      |                | <b>Associated Systems</b> |                                      |            |       |
|   |                   |                                      |            |   |                                      |                | None                      |                                      | None       |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA  |                                      |                | AVIONICS/HPA              |                                      |            |       |
|--|-------------------|--------------------------------------|------------|---|--------------------------------------|----------------|---------------------------|--------------------------------------|------------|-------|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number                               | Manufacturer                         | Type           | Assessment Number         | Manufacturer                         | Model Name | Class |
| <b>S7CH04</b><br>Class 7,<br>Single-Channel<br><br>6 <sup>th</sup> Dec 2011<br><br>Omnipless/ Chelton<br>Inc /Cobham | AICH02            | Omnipless<br>/Chelton Inc<br>/Cobham | IGA-5001   | DTACH03<br>HLD-7260<br><br>(Single-<br>Channel) | Omnipless/<br>Chelton Inc/<br>Cobham | Mod Type<br>A* | B7CH02                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU-7315   | 7     |
|  |                   |                                      |            |   |                                      |                | <b>Associated Systems</b> |                                      |            |       |
|  |                   |                                      |            |   |                                      |                | None                      |                                      | None       |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                |            | DLNA                                    |                                |      | AVIONICS/HPA              |                                |            |       |
|---|-------------------|--------------------------------|------------|---|--------------------------------|------|---------------------------|--------------------------------|------------|-------|
|   | Assessment Number | Manufacturer                   | Model Name | Assessment Number                       | Manufacturer                   | Type | Assessment Number         | Manufacturer                   | Model Name | Class |
| <b>S15CH01</b><br>Class 15<br>Single-Channel<br><br>24 <sup>th</sup> Feb 2011<br><br>Omnipless/ Chelton Inc /Cobham | ALCH01            | Omnipless /Chelton Inc /Cobham | LGA-3000   | DTACH03<br>HLD-7260<br>(Single-Channel) | Omnipless/ Chelton Inc/ Cobham |      | B15CH01                   | Omnipless/ Chelton Inc/ Cobham | SDU-7310.  | 15    |
|   |                   |                                |            |   |                                |      | <b>Associated Systems</b> |                                |            |       |
|   |                   |                                |            |   |                                |      | None                      |                                | None       |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                |            | DLNA              |                                    |        | AVIONICS/HPA              |                                |               |       |
|--|-------------------|--------------------------------|------------|-------------------|------------------------------------|--------|---------------------------|--------------------------------|---------------|-------|
|  | Assessment Number | Manufacturer                   | Model Name | Assessment Number | Manufacturer                       | Type   | Assessment Number         | Manufacturer                   | Model Name    | Class |
| <b>S6CH09</b><br>Class 6,<br>Multi-Channel<br>(4xSBB)<br><br>13th April 2012<br><br>Omnipless/ Chelton Inc /Cobham | AHCH02            | Omnipless/ Chelton Inc/ Cobham | HGA-7000   | DTFCM01           | DAU:7070 COM DEV International Ltd | Type F | B6CH03                    | Omnipless/ Chelton Inc/ Cobham | SDU-7330-004. | 6     |
|  |                   |                                |            |                   |                                    |        | <b>Associated Systems</b> |                                |               |       |
|  |                   |                                |            |                   |                                    |        | None                      |                                | None          |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |  |        | AVIONICS/HPA              |                                      |                   |       |      |  |  |
|---|-------------------|--------------------------------------|------------|-------------------|--|--------|---------------------------|--------------------------------------|-------------------|-------|------|--|--|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                             | Type   | Assessment Number         | Manufacturer                         | Model Name        | Class |      |  |  |
| <b>S6CH10</b><br>Class 6,<br>Multi-Channel<br>(4xSBB)<br><br>13th April 2012<br><br>Omnipless/ Chelton<br>Inc /Cobham | AHCH04            | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-7001   | DTFCM01           | DAU:7070 COM<br>DEV<br>International Ltd | Type F | B6CH03                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU-7330-<br>004. | 6     |      |  |  |
|   |                   |                                      |            |                   |  |        | <b>Associated Systems</b> |                                      |                   |       |      |  |  |
|   |                   |                                      |            |                   |  |        | None                      |                                      |                   |       | None |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                      | DLNA              |  |        | AVIONICS/HPA              |                                      |                   |       |      |  |  |
|---|-------------------|--------------------------------------|----------------------|-------------------|--|--------|---------------------------|--------------------------------------|-------------------|-------|------|--|--|
|   | Assessment Number | Manufacturer                         | Model Name           | Assessment Number | Manufacturer                             | Type   | Assessment Number         | Manufacturer                         | Model Name        | Class |      |  |  |
| <b>S6CH11</b><br>Class 6,<br>Multi-Channel<br>(4xSBB)<br><br>13th April 2012<br><br>Omnipless/ Chelton<br>Inc /Cobham | AHCH01            | Omnipless/<br>Chelton Inc/<br>Cobham | HGA-6000<br>HGA-6500 | DTFCM01           | DAU:7070 COM<br>DEV<br>International Ltd | Type F | B6CH03                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU-7330-<br>004. | 6     |      |  |  |
|   |                   |                                      |                      |                   |  |        | <b>Associated Systems</b> |                                      |                   |       |      |  |  |
|   |                   |                                      |                      |                   |  |        | None                      |                                      |                   |       | None |  |  |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA                    |                                      |             | AVIONICS/HPA              |                                      |                     |       |
|--|-------------------|-----------------------------------|------------|-------------------------|--------------------------------------|-------------|---------------------------|--------------------------------------|---------------------|-------|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number       | Manufacturer                         | Type        | Assessment Number         | Manufacturer                         | Model Name          | Class |
| <b>S6CH012</b><br>Class 6,<br>Single-Channel<br><br>20 <sup>th</sup> April 2012<br><br>Omnipless/ Chelton<br>Inc /Cobham | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTACH03<br><br>HLD-7260 | Omnipless/<br>Chelton Inc/<br>Cobham | Mod Type A* | B6CH01                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU- 7320,<br>7330. | 6     |
|  |                   |                                   |            |                         |                                      |             | <b>Associated Systems</b> |                                      |                     |       |
|  |                   |                                   |            |                         |                                      |             |                           | None                                 |                     | None  |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                    |             | DLNA              |                              |        | AVIONICS/HPA              |                                      |                  |       |
|--|-------------------|--------------------|-------------|-------------------|------------------------------|--------|---------------------------|--------------------------------------|------------------|-------|
|  | Assessment Number | Manufacturer       | Model Name  | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                         | Model Name       | Class |
| <b>S7CH05</b><br>Class 7,<br>Multi-Channel<br><br>29 <sup>th</sup> May 2012<br><br>Omnipless/ Chelton<br>Inc /Cobham | AICM03            | CMC<br>Electronics | CMA- 2200SB | DTFCD01           | COM DEV<br>International Ltd | Type F | B7CH03                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU-7330-<br>004 | 7     |
|  |                   |                    |             |                   |                              |        | <b>Associated Systems</b> |                                      |                  |       |
|  |                   |                    |             |                   |                              |        |                           | None                                 |                  | None  |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA              |                                      |                  |       |
|--|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|---------------------------|--------------------------------------|------------------|-------|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                         | Model Name       | Class |
| <b>S7CH06</b><br>Class 7,<br>Multi-Channel<br>29 <sup>th</sup> May 2012<br><br><b>Omnipless/ Chelton Inc /Cobham</b> | AICH02            | Omnipless/<br>Chelton Inc/<br>Cobham | IGA-5001   | DTFCD01           | COM DEV<br>International Ltd | Type F | B7CH03                    | Omnipless/<br>Chelton Inc/<br>Cobham | SDU-7330-<br>004 | 7     |
|  |                   |                                      |            |                   |                              |        | <b>Associated Systems</b> |                                      |                  |       |
|  |                   |                                      |            |                   |                              |        | None                      |                                      | None             |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |              |        | AVIONICS/HPA              |                                      |            |       |
|---|-------------------|--------------------------------------|------------|-------------------|--------------|--------|---------------------------|--------------------------------------|------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer | Type   | Assessment Number         | Manufacturer                         | Model Name | Class |
| <b>S4CH01</b><br>Class 4,<br>Single-Channel<br>14 <sup>th</sup> Dec 2016<br><br><b>Omnipless/ Chelton Inc /Cobham</b> | N/A               | Omnipless/<br>Chelton Inc/<br>Cobham | N/A        | DTFCD01           | N/A          | Type F | N/A                       | Omnipless/<br>Chelton Inc/<br>Cobham | N/A        | 4     |
|   |                   |                                      |            |                   |              |        | <b>Associated Systems</b> |                                      |            |       |
|   |                   |                                      |            |                   |              |        | None                      |                                      | None       |       |





| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                                   |                                     | AVIONICS/HPA      |                                   |            |                           |  |                   |
|---|-------------------|-----------------------------------|------------|-------------------|-----------------------------------|-------------------------------------|-------------------|-----------------------------------|------------|---------------------------|--|-------------------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                      | Type                                | Assessment Number | Manufacturer                      | Model Name | Class                     |  |                   |
| <b>S6ES01</b><br>Class 6,<br>Multi-Channel<br><br>28 <sup>th</sup> May 2008<br><br>EMS Technologies<br>Canada Ltd                   | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTAES01           | EMS<br>Technologies<br>Canada Ltd | ARINC 741<br>Type A*<br>(Cambridge) | B6ES02            | EMS<br>Technologies<br>Canada Ltd | HSD-400i   | 6                         |  |                   |
|   |                   |                                   |            | DTFCM01           |                                   |                                     |                   | COM DEV<br>International Ltd      | Type F     | <b>Associated Systems</b> |  |                   |
|   |                   |                                   |            |                   |                                   |                                     |                   |                                   |            | Aero Classic<br>None      |  | Swift64<br>76ES09 |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                   |            |                   |                                   |                                     |                   |                                   |            |                           |  |                   |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                                   |                                     | AVIONICS/HPA      |                                   |            |                           |  |                   |
|---|-------------------|-----------------------------------|------------|-------------------|-----------------------------------|-------------------------------------|-------------------|-----------------------------------|------------|---------------------------|--|-------------------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                      | Type                                | Assessment Number | Manufacturer                      | Model Name | Class                     |  |                   |
| <b>S6ES02</b><br>Class 6,<br>Multi-Channel<br><br>28 <sup>th</sup> May 2008<br><br>EMS Technologies<br>Canada Ltd                   | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTAES01           | EMS<br>Technologies<br>Canada Ltd | ARINC 741<br>Type A*<br>(Cambridge) | B6ES03            | EMS<br>Technologies<br>Canada Ltd | HSD-400    | 6                         |  |                   |
|   |                   |                                   |            | DTFCM01           |                                   |                                     |                   | COM DEV<br>International Ltd      | Type F     | <b>Associated Systems</b> |  |                   |
|   |                   |                                   |            |                   |                                   |                                     |                   |                                   |            | Aero Classic<br>None      |  | Swift64<br>76ES08 |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                                   |            |                   |                                   |                                     |                   |                                   |            |                           |  |                   |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                             |            | DLNA              |                             |                      | AVIONICS/HPA              |                             |                   |       |
|---|-------------------|-----------------------------|------------|-------------------|-----------------------------|----------------------|---------------------------|-----------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer                | Type                 | Assessment Number         | Manufacturer                | Model Name        | Class |
| <b>S6ES03</b><br>Class 6,<br>Multi-Channel<br><br><b>8<sup>th</sup> Dec 2008</b><br><b>EMS Technologies Canada Ltd</b>              | AHES01            | EMS Technologies Canada Ltd | AMT-3800   | DTAES01           | EMS Technologies Canada Ltd | ARINC 741 Mod Type A | B6ES02                    | EMS Technologies Canada Ltd | HSD-400i          | 6     |
|   |                   |                             |            | DTFCM01           | COM DEV International Ltd   | Type F               | <b>Associated Systems</b> |                             |                   |       |
|   |                   |                             |            |                   |                             |                      | Aero Classic<br>None      |                             | Swift64<br>76ES09 |       |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                             |            |                   |                             |                      |                           |                             |                   |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                             |            | DLNA              |                             |                      | AVIONICS/HPA              |                             |                   |       |
|---|-------------------|-----------------------------|------------|-------------------|-----------------------------|----------------------|---------------------------|-----------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer                | Type                 | Assessment Number         | Manufacturer                | Model Name        | Class |
| <b>S6ES04</b><br>Class 6,<br>Multi-Channel<br><br><b>8<sup>th</sup> Dec 2008</b><br><b>EMS Technologies Canada Ltd</b>              | AHES01            | EMS Technologies Canada Ltd | AMT-3800   | DTAES01           | EMS Technologies Canada Ltd | ARINC 741 Mod Type A | B6ES03                    | EMS Technologies Canada Ltd | HSD-400           | 6     |
|   |                   |                             |            | DTFCM01           | COM DEV International Ltd   | Type F               | <b>Associated Systems</b> |                             |                   |       |
|   |                   |                             |            |                   |                             |                      | Aero Classic<br>None      |                             | Swift64<br>76ES08 |       |
| Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A). |                   |                             |            |                   |                             |                      |                           |                             |                   |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                                   |                         | AVIONICS/HPA   |                                   |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|-----------------------------------|-------------------------|--|-----------------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                      | Type                    | Assessment Number  | Manufacturer                      | Model Name        | Class |
| <b>S6ES05</b><br>Class 6,<br>Multi-Channel<br><br>29 <sup>th</sup> Oct 2010<br><br>EMS Technologies<br>Canada Ltd | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTAES01           | EMS<br>Technologies<br>Canada Ltd | ARINC 741<br>Mod Type A | B6ES04   | EMS<br>Technologies<br>Canada Ltd | HSD-440           | 6     |
|   |                   |                                   |            |                   |                                   |                         | <b>Associated Systems</b>                                    |                                   |                   |       |
|   |                   |                                   |            | DTFCM01           | COM DEV<br>International Ltd      | Type F                  | Aero Classic<br>5ESP08 (Mk1)<br>5ESP14 (Mk2)<br>I4 Operation |                                   | Swift64<br>76ES10 |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA   |                                   |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|-----------------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number  | Manufacturer                      | Model Name        | Class |
| <b>S6ES06</b><br>Class 6,<br>Multi-Channel<br><br>29 <sup>th</sup> Oct 2010<br><br>EMS Technologies<br>Canada Ltd | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCM01           | COM DEV<br>International Ltd | Type F | B6ES04   | EMS<br>Technologies<br>Canada Ltd | HSD-440           | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>                                    |                                   |                   |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5ESP09 (Mk1)<br>5ESP15 (Mk2)<br>I4 Operation |                                   | Swift64<br>76ES10 |       |

Type A\*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                                   |                   |       |  |  |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------------------|-------------------|-------|--|--|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                      | Model Name        | Class |  |  |
| <b>S6ES07</b><br>Class 6,<br>Multi-Channel<br><br>22 <sup>nd</sup> July 2010<br>EMS Technologies<br>Canada Ltd | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCM01           | COM DEV<br>International Ltd | Type F | B6ES02                    | EMS<br>Technologies<br>Canada Ltd | HSD-400i          | 6     |  |  |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                                   |                   |       |  |  |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>None      |                                   | Swift64<br>76ES09 |       |  |  |
| <b>TAP 002: Class 6</b><br>HDR (13 <sup>th</sup> Jun 2018)   |                   |                                   |            |                   |                              |        |                           |                                   |                   |       |  |  |
| <b>TAP 003: Class 6-2</b><br>Helo (13 <sup>th</sup> Jun 2018)  |                   |                                   |            |                   |                              |        |                           |                                   |                   |       |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA   |                                   |                   |       |  |  |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|-----------------------------------|-------------------|-------|--|--|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number  | Manufacturer                      | Model Name        | Class |  |  |
| <b>S6ES08</b><br>Class 6,<br>Multi-Channel<br><br>29 <sup>th</sup> Oct 2010<br><br>EMS Technologies<br>Canada Ltd | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCM01           | COM DEV<br>International Ltd | Type F | B6ES04   | EMS<br>Technologies<br>Canada Ltd | HSD-440           | 6     |  |  |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>                                    |                                   |                   |       |  |  |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5ESP13 (Mk1)<br>5ESp16 (Mk2)<br>I4 Operation |                                   | Swift64<br>76ES10 |       |  |  |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA                      |                                   |                         | AVIONICS/HPA         |                                   |            |       |
|---|-------------------|-----------------------------------|------------|---------------------------|-----------------------------------|-------------------------|----------------------|-----------------------------------|------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number         | Manufacturer                      | Type                    | Assessment Number    | Manufacturer                      | Model Name | Class |
| <b>S7ES01</b><br>Class 7,<br>Multi-Channel<br><br><b>14<sup>th</sup> Aug 2009</b><br><br><b>EMS Technologies<br/>Canada Ltd</b> | AIES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3500   | DTAES01                   | EMS<br>Technologies<br>Canada Ltd | ARINC 741<br>Mod Type A | B7ES01               | EMS<br>Technologies<br>Canada Ltd | HSD-400i   | 7     |
|   |                   |                                   |            | <b>Associated Systems</b> |                                   |                         |                      |                                   |            |       |
|   |                   |                                   |            | DTFCM01                   | COM DEV<br>International Ltd      | Type F                  | Aero Classic<br>None | Swift64<br>None                   |            |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |               |                        | DLNA              |                                   |        | AVIONICS/HPA              |                                   |              |       |
|--|-------------------|---------------|------------------------|-------------------|-----------------------------------|--------|---------------------------|-----------------------------------|--------------|-------|
|  | Assessment Number | Manufacturer  | Model Name             | Assessment Number | Manufacturer                      | Type   | Assessment Number         | Manufacturer                      | Model Name   | Class |
| <b>S15ES01</b><br>Class 15, Single-<br>Channel<br><br><b>5<sup>th</sup> May 2011</b><br><br><b>EMS Technologies<br/>Canada Ltd</b> | S65-8282- 101     | Sensor-System | Sensor-<br>System Omni | DTSES01           | EMS<br>Technologies<br>Canada Ltd | Type S | B15ES01                   | EMS<br>Technologies<br>Canada Ltd | HSD-<br>Xss1 | 15    |
|  |                   |               |                        |                   |                                   |        | <b>Associated Systems</b> |                                   |              |       |
|  |                   |               |                        |                   |                                   |        | Aero Classic<br>None      | Swift64<br>None                   |              |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                                   |                        |       |  |  |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------------------|------------------------|-------|--|--|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                      | Model Name             | Class |  |  |
| <b>S6ES09</b><br>Class 6,<br>Multi-Channel<br><br>1 <sup>st</sup> March 2012<br><br>EMS Technologies<br>Canada Ltd | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCM01           | COM DEV<br>International Ltd | Type F | B6ES05                    | EMS<br>Technologies<br>Canada Ltd | HSD-400i<br>+ 2x HSDXi | 6     |  |  |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                                   |                        |       |  |  |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>N/A       |                                   | Swift64<br>76ES11      |       |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                                   |        | AVIONICS/HPA              |                                   |                 |       |  |  |
|---|-------------------|-----------------------------------|------------|-------------------|-----------------------------------|--------|---------------------------|-----------------------------------|-----------------|-------|--|--|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                      | Type   | Assessment Number         | Manufacturer                      | Model Name      | Class |  |  |
| <b>S7ES02</b><br>Class 7,<br>Single-Channel<br><br>5 <sup>th</sup> May 2011<br><br>EMS Technologies<br>Canada Ltd | AIES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3500   | DTSES01           | EMS<br>Technologies<br>Canada Ltd | Type S | B7ES02                    | EMS<br>Technologies<br>Canada Ltd | HSD-200         | 7     |  |  |
|   |                   |                                   |            |                   |                                   |        | <b>Associated Systems</b> |                                   |                 |       |  |  |
|   |                   |                                   |            |                   |                                   |        | Aero Classic<br>None      |                                   | Swift64<br>None |       |  |  |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                                  |        | AVIONICS/HPA              |                                   |            |       |                 |  |  |
|---|-------------------|-----------------------------------|------------|-------------------|----------------------------------|--------|---------------------------|-----------------------------------|------------|-------|-----------------|--|--|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                     | Type   | Assessment Number         | Manufacturer                      | Model Name | Class |                 |  |  |
| <b>S7ES03</b><br>Class 7,<br>Single-Channel<br><br><b>June 2014</b><br><br>EMS Technologies<br>Canada Ltd | AIES02            | EMS<br>Technologies<br>Canada Ltd | AMT-1800   | DTSES01           | MS<br>Technologies<br>Canada Ltd | Type S | B7ES02                    | EMS<br>Technologies<br>Canada Ltd | HSD-200    | 7     |                 |  |  |
|   |                   |                                   |            |                   |                                  |        | <b>Associated Systems</b> |                                   |            |       |                 |  |  |
|   |                   |                                   |            |                   |                                  |        | Aero Classic<br>None      |                                   |            |       | Swift64<br>None |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                                   |        | AVIONICS/HPA              |                                   |            |       |                |  |  |
|---|-------------------|-----------------------------------|------------|-------------------|-----------------------------------|--------|---------------------------|-----------------------------------|------------|-------|----------------|--|--|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                      | Type   | Assessment Number         | Manufacturer                      | Model Name | Class |                |  |  |
| <b>S6ES10</b><br>Class 6,<br>Single-Channel<br><br><b>5<sup>th</sup> May 2011</b><br><br>EMS Technologies<br>Canada Ltd | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTSES01           | EMS<br>Technologies<br>Canada Ltd | Type S | B6ES06                    | EMS<br>Technologies<br>Canada Ltd | HSD-200    | 6     |                |  |  |
|   |                   |                                   |            |                   |                                   |        | <b>Associated Systems</b> |                                   |            |       |                |  |  |
|   |                   |                                   |            |                   |                                   |        | Aero Classic<br>None      |                                   |            |       | Swift64<br>TBD |  |  |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                                   |        | AVIONICS/HPA              |                                   |                |       |  |
|--|-------------------|-----------------------------------|------------|-------------------|-----------------------------------|--------|---------------------------|-----------------------------------|----------------|-------|--|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                      | Type   | Assessment Number         | Manufacturer                      | Model Name     | Class |  |
| <b>S6ES11</b><br>Class 6,<br>Single-Channel<br><br><b>5<sup>th</sup> May 2011</b><br><br><b>EMS Technologies<br/>                     Canada Ltd</b> | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTSES01           | EMS<br>Technologies<br>Canada Ltd | Type S | B6ES06                    | EMS<br>Technologies<br>Canada Ltd | HSD-200        | 6     |  |
|  |                   |                                   |            |                   |                                   |        | <b>Associated Systems</b> |                                   |                |       |  |
|  |                   |                                   |            |                   |                                   |        | Aero Classic<br>None      |                                   | Swift64<br>TBD |       |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                               |            | DLNA              |                                   |        | AVIONICS/HPA              |                                   |                 |       |  |
|---|-------------------|-------------------------------|------------|-------------------|-----------------------------------|--------|---------------------------|-----------------------------------|-----------------|-------|--|
|   | Assessment Number | Manufacturer                  | Model Name | Assessment Number | Manufacturer                      | Type   | Assessment Number         | Manufacturer                      | Model Name      | Class |  |
| <b>S15ES02</b><br>Class 15, Single-<br>Channel<br><br><b>9<sup>th</sup> May 2014</b><br><br><b>EMS Technologies<br/>                     Canada Ltd</b> | ALAA01            | AeroAntenna<br>Technology Inc | AT1675-180 | DTSES01           | EMS<br>Technologies<br>Canada Ltd | Type S | B15ES01                   | EMS<br>Technologies<br>Canada Ltd | HSD-<br>Xss1    | 15    |  |
|   |                   |                               |            |                   |                                   |        | <b>Associated Systems</b> |                                   |                 |       |  |
|   |                   |                               |            |                   |                                   |        | Aero Classic<br>None      |                                   | Swift64<br>None |       |  |





| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                    |             | DLNA              |                              |        | AVIONICS/HPA              |                                   |                   |       |
|---|-------------------|--------------------|-------------|-------------------|------------------------------|--------|---------------------------|-----------------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer       | Model Name  | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                      | Model Name        | Class |
| <b>S6ES12</b><br>Class 6,<br>Multi-Channel<br><br><b>25<sup>th</sup> Sep 2015</b><br><br><b>EMS Technologies<br/>Canada Ltd</b> | AHCM01            | CMC<br>Electronics | CMA- 2102SB | DTFCD01           | COM DEV<br>International Ltd | Type F | B6ES04                    | EMS<br>Technologies<br>Canada Ltd | HSD-440           | 6     |
|   |                   |                    |             |                   |                              |        | <b>Associated Systems</b> |                                   |                   |       |
|   |                   |                    |             |                   |                              |        | Aero Classic<br>5ESP17    |                                   | Swift64<br>76ES16 |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                                   |                            |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------------------|----------------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                      | Model Name                 | Class |
| <b>S6ES13</b><br>Class 6,<br>Multi-Channel<br><br><b>1<sup>st</sup> December 2016</b><br><br><b>EMS Technologies<br/>Canada Ltd</b> | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCM01           | COM DEV<br>International Ltd | Type F | B6ES07                    | EMS<br>Technologies<br>Canada Ltd | HSD-440<br>+ HSDXi<br>(x2) | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                                   |                            |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5ESP18    |                                   | Swift64<br>76ES17          |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                                   |                            |       |  |  |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------------------|----------------------------|-------|--|--|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                      | Model Name                 | Class |  |  |
| <b>S6ES14</b><br>Class 6,<br>Multi-Channel<br><br>1 <sup>st</sup> December 2016<br><br>EMS Technologies<br>Canada Ltd | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6ES07                    | EMS<br>Technologies<br>Canada Ltd | HSD-440<br>+ HSDXi<br>(x2) | 6     |  |  |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                                   |                            |       |  |  |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5ESP19    |                                   | Swift64<br>76ES17          |       |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                  |            | DLNA              |                              |        | AVIONICS/HPA              |                                   |                            |       |  |  |
|---|-------------------|----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------------------|----------------------------|-------|--|--|
|   | Assessment Number | Manufacturer                     | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                      | Model Name                 | Class |  |  |
| <b>S6ES15</b><br>Class 6,<br>Multi-Channel<br><br>1 <sup>st</sup> December 2016<br><br>EMS Technologies<br>Canada Ltd | AHES03            | MS<br>Technologies<br>Canada Ltd | AMT-700    | TFCM01            | COM DEV<br>International Ltd | Type F | B6ES07                    | EMS<br>Technologies<br>Canada Ltd | HSD-440<br>+ HSDXi<br>(x2) | 6     |  |  |
|   |                   |                                  |            |                   |                              |        | <b>Associated Systems</b> |                                   |                            |       |  |  |
|   |                   |                                  |            |                   |                              |        | Aero Classic<br>5ESP20    |                                   | Swift64<br>76ES17          |       |  |  |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                            |            | DLNA              |  |      | AVIONICS/HPA              |                             |                 |       |
|--|-------------------|----------------------------|------------|-------------------|--|------|---------------------------|-----------------------------|-----------------|-------|
|  | Assessment Number | Manufacturer               | Model Name | Assessment Number | Manufacturer                                 | Type | Assessment Number         | Manufacturer                | Model Name      | Class |
| <b>S15ES03</b><br>Class 15, Single-Channel<br><br>25th September 2015<br><br>EMS Technologies Canada Ltd (Bendix King) | ALAA02            | AeroAntenna Technology Inc | AT1595-13  | NA                | NA<br><br>(IPLD Integrated into the antenna) | NA   | B15ES01                   | EMS Technologies Canada Ltd | HSD-Xss1        | 15    |
|  |                   |                            |            |                   |  |      | <b>Associated Systems</b> |                             |                 |       |
|  |                   |                            |            |                   |  |      | Aero Classic<br>None      |                             | Swift64<br>None |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                             |            | DLNA              |                           |        | AVIONICS/HPA   |                     |                   |       |
|---|-------------------|-----------------------------|------------|-------------------|---------------------------|--------|--|---------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number  | Manufacturer        | Model Name        | Class |
| <b>S6HW01</b><br>Class 6, Multi-Channel<br><br>29th Oct 2010<br><br>Honeywell Aerospace | AHES02            | EMS Technologies Canada Ltd | AMT-50     | DTFCM01           | COM DEV International Ltd | Type F | B6HW01   | Honeywell Aerospace | HD-710            | 6     |
|   |                   |                             |            |                   |                           |        | <b>Associated Systems</b>                                    |                     |                   |       |
|   |                   |                             |            |                   |                           |        | Aero Classic<br>5HWP41 (Ph3)<br>5HWP61 (Ph4)<br>I4 Operation |                     | Swift64<br>76HW07 |       |

Avionics Model Identification:MCS-7120 consists of HD-710 (SwiftBroadband/Swift64/Classic) "Standalone"



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW02</b><br>Class 6,<br>Multi-Channel<br><br><b>15<sup>th</sup> August 2008</b><br><br><b>Honeywell Aerospace</b> | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP17<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadband/Swift64) + MCS-7000/4000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                      | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|--------------------------------------|----------------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name           | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW03</b><br>Class 6,<br>Multi-Channel<br><br><b>14<sup>th</sup> Nov 2008</b><br><br><b>Honeywell Aerospace</b> | AHCH01            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-6000<br>HGA-6500 | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                      |                      |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                      |                      |                   |                              |        | Aero Classic<br>5HWP50<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                      | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|--------------------------------------|----------------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name           | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW04</b><br>Class 6,<br>Multi-Channel<br><br><b>14<sup>th</sup> Nov 2008</b><br><br><b>Honeywell Aerospace</b> | AHCH01            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-6000<br>HGA-6500 | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                      |                      |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                      |                      |                   |                              |        | Aero Classic<br>5HWP49<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                      | DLNA              |                              |        | AVIONICS/HPA   |                        |                   |       |
|---|-------------------|--------------------------------------|----------------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name           | Assessment Number | Manufacturer                 | Type   | Assessment Number  | Manufacturer           | Model Name        | Class |
| <b>S6HW05</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> Oct 2010</b><br><br><b>Honeywell Aerospace</b> | AHCH01            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-6000<br>HGA-6500 | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW01   | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                      |                      |                   |                              |        | <b>Associated Systems</b>                                    |                        |                   |       |
|   |                   |                                      |                      |                   |                              |        | Aero Classic<br>5HWP48 (Ph3)<br>5HWP62 (Ph4)<br>I4 Operation |                        | Swift64<br>76HW07 |       |

Avionics Model Identification: MCS-7120 consists of an HD-710 "Standalone" (SwiftBroadBand/Swift64/Classic).



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                        |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|--|-------------------|------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|  | Assessment Number | Manufacturer           | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW06</b><br>Class 6,<br>Multi-Channel<br><br><b>6<sup>th</sup> Mar 2009</b><br><br><b>Honeywell Aerospace</b> | AHCM01            | CMC<br>Electronics Inc | CMA-2102SB | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW03                                 | Honeywell<br>Aerospace | MCS-7200          | 6     |
|  |                   |                        |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|  |                   |                        |            |                   |                              |        | Aero Classic<br>5HWP30<br>I4 Operation |                        | Swift64<br>76HW03 |       |

Avionics Model Identification: MCS-7200 (SwiftBroadband/Swift64/Classic).

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                       | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|--------------------------------------|-----------------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name            | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW07</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> May 09</b><br><br><b>Honeywell Aerospace</b> | AHCH01            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-6000 HGA-<br>6500 | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW03                                 | Honeywell<br>Aerospace | MCS-7200          | 6     |
|   |                   |                                      |                       |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                      |                       |                   |                              |        | Aero Classic<br>5HWP47<br>I4 Operation |                        | Swift64<br>76HW03 |       |

Avionics Model Identification: MCS-7200 (SwiftBroadband/Swift64/Classic).



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW08</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> May 2009</b><br><br><b>Honeywell Aerospace</b> | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP03<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW09</b><br>Class 6,<br>Multi-Channel<br><br><b>15<sup>th</sup> Dec 2009</b><br><br><b>Honeywell Aerospace</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW03                                 | Honeywell<br>Aerospace | MCS-7200          | 6     |
|   |                   |                                      |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                      |            |                   |                              |        | Aero Classic<br>5HWP42<br>I4 Operation |                        | Swift64<br>76HW03 |       |

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW10</b><br>Class 6,<br>Multi-Channel<br><br><b>16<sup>th</sup> Dec 2009</b><br><br><b>Honeywell Aerospace</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                      |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                      |            |                   |                              |        | Aero Classic<br>5HWP52<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW11</b><br>Class 6,<br>Multi-Channel<br><br><b>17<sup>th</sup> Dec 2009</b><br><br><b>Honeywell Aerospace</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                      |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                      |            |                   |                              |        | Aero Classic<br>5HWP53<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)





| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA   |                        |                   |       |  |
|--|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|--|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number  | Manufacturer           | Model Name        | Class |  |
| <b>S6HW12</b><br>Class 6,<br>Multi-Channel<br><br>29 <sup>th</sup> Oct 2010<br><br>Honeywell Aerospace | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW01   | Honeywell<br>Aerospace | HD-710            | 6     |  |
|  |                   |                                      |            |                   |                              |        | <b>Associated Systems</b>                                    |                        |                   |       |  |
|  |                   |                                      |            |                   |                              |        | Aero Classic<br>5HWP54 (Ph3)<br>5HWP63 (Ph4)<br>I4 Operation |                        | Swift64<br>76HW07 |       |  |

Avionics Model Identification: MCS-7120 consists of an HD-710 "Standalone" (SwiftBroadBand/Swift64/Classic).

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA   |                        |                   |       |  |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|--|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number  | Manufacturer           | Model Name        | Class |  |
| <b>S6HW13</b><br>Class 6,<br>Multi-Channel<br><br>29 <sup>th</sup> Oct 2010<br><br>Honeywell Aerospace | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW01   | Honeywell<br>Aerospace | HD-710            | 6     |  |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>                                    |                        |                   |       |  |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP55 (Ph3)<br>5HWP64 (Ph4)<br>I4 Operation |                        | Swift64<br>76HW07 |       |  |

Avionics Model Identification: MCS-7120 consists of an HD-710 "Standalone" (SwiftBroadBand/Swift64/Classic).



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW14</b><br>Class 6,<br>Multi-Channel<br><br><b>22<sup>nd</sup> July 2010</b><br><b>Honeywell Aerospace</b><br><br><b>TAP002:</b> Class 6 HDR<br>13 <sup>th</sup> June | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP45<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW15</b><br>Class 6,<br>Multi-Channel<br><br><b>22<sup>nd</sup> July 2010</b><br><b>Honeywell Aerospace</b><br><br><b>TAP002:</b> Class 6 HDR<br>13 <sup>th</sup> June | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP44<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW16</b><br>Class 6,<br>Multi-Channel<br><br><b>22<sup>nd</sup> July 2010</b><br><br><b>Honeywell Aerospace</b> | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW03                                 | Honeywell<br>Aerospace | MCS-7200          | 6     |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP43<br>I4 Operation |                        | Swift64<br>76HW03 |       |

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA   |                        |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number  | Manufacturer           | Model Name        | Class |
| <b>S6HW17</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> Oct 2010</b><br><br><b>Honeywell Aerospace</b> | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW01   | Honeywell<br>Aerospace | HD-710            | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>                                    |                        |                   |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP56 (Ph3)<br>5HWP65 (Ph4)<br>I4 Operation |                        | Swift64<br>76HW07 |       |

Avionics Model Identification: MCS-7120 consists of an HD-710 "Standalone" (SwiftBroadBand/Swift64/Classic).



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |  |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|--|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |  |
| <b>S6HW18</b><br>Class 6,<br>Multi-Channel<br><br><b>22<sup>nd</sup> July 2010</b><br><b>Honeywell Aerospace</b><br><br><b>TAP002:</b> Class 6 HDR<br>13 <sup>th</sup> June 2018 | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |  |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |  |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP57<br>I4 Operation |                        | Swift64<br>76HW06 |       |  |

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |  |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|--|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |  |
| <b>S6HW19</b><br>Class 6,<br>Multi-Channel<br><br><b>22<sup>nd</sup> July 2010</b><br><b>Honeywell Aerospace</b><br><br><b>TAP002:</b> Class 6 HDR<br>13 <sup>th</sup> June 2018 | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02                                 | Honeywell<br>Aerospace | HD-710            | 6     |  |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |  |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP58<br>I4 Operation |                        | Swift64<br>76HW06 |       |  |

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW20</b><br>Class 6,<br>Multi-Channel<br><br>22 <sup>nd</sup> July 2010<br><br>Honeywell Aerospace | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW03                                 | Honeywell<br>Aerospace | MCS- 7200         | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP59<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA                           |                        |                   |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|--|------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                      | Manufacturer           | Model Name        | Class |
| <b>S6HW21</b><br>Class 6,<br>Multi-Channel<br><br>22 <sup>nd</sup> July 2010<br><br>Honeywell Aerospace | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW03                                 | Honeywell<br>Aerospace | MCS- 7200         | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>              |                        |                   |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5HWP60<br>I4 Operation |                        | Swift64<br>76HW06 |       |

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                        |            | DLNA              |                              |        | AVIONICS/HPA  |                        |                 |       |
|---|-------------------|------------------------|------------|-------------------|------------------------------|--------|---|------------------------|-----------------|-------|
|   | Assessment Number | Manufacturer           | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                                   | Manufacturer           | Model Name      | Class |
| <b>S6HW22</b><br>Class 6,<br>Multi-Channel<br><br><b>16<sup>th</sup> April 2013</b><br><br><b>Honeywell Aerospace</b> | AHCM01            | CMC<br>Electronics Inc | CMA-2102SB | DTFCD01           | COM DEV<br>International Ltd | Type F | B6HW02  | Honeywell<br>Aerospace | HD-710          | 6     |
|   |                   |                        |            |                   |                              |        | <b>Associated Systems</b>                           |                        |                 |       |
|   |                   |                        |            |                   |                              |        | Aero Classic<br>5HWP29<br>I4 Operation<br>Sept 2009 |                        | Swift64<br>None |       |

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand) + MCS-7000/4000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                     |              | DLNA              |                              |        | AVIONICS/HPA   |                        |                 |       |
|---|-------------------|-------------------------------------|--------------|-------------------|------------------------------|--------|--|------------------------|-----------------|-------|
|   | Assessment Number | Manufacturer                        | Model Name   | Assessment Number | Manufacturer                 | Type   | Assessment Number                                    | Manufacturer           | Model Name      | Class |
| <b>S6HW23</b><br>Class 6,<br>Multi-Channel<br><br><b>16<sup>th</sup> April 2020</b><br><br><b>Honeywell Aerospace</b> | AHBA01            | Ball Aerospace &<br>Technology Corp | Airlink HGAS | DTFCM01           | COM DEV<br>International Ltd | Type F | B6HW02   | Honeywell<br>Aerospace | HD-710          | 6     |
|   |                   |                                     |              |                   |                              |        | <b>Associated Systems</b>                            |                        |                 |       |
|   |                   |                                     |              |                   |                              |        | Aero Classic<br>5HWP67<br>I4 Operation<br>April 2020 |                        | Swift64<br>None |       |

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand) + MCS-6000/3000 (Aero Classic)



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                              |                           | DLNA              |                           |                           | AVIONICS/HPA   |                     |                 |       |  |  |  |  |  |  |
|--|-------------------|------------------------------|---------------------------|-------------------|---------------------------|---------------------------|--|---------------------|-----------------|-------|--|--|--|--|--|--|
|  | Assessment Number | Manufacturer                 | Model Name                | Assessment Number | Manufacturer              | Type                      | Assessment Number                                    | Manufacturer        | Model Name      | Class |  |  |  |  |  |  |
| <b>S6HW24</b><br>Class 6,<br>Multi-Channel<br><b>21<sup>st</sup> Oct 2020</b><br><b>Honeywell Aerospace</b>  | AHES01            | EMS Technologies Canada Ltd. | AMT-3800 (Top Mount)      | DTFCM01           | COM DEV International Ltd | Type F                    | B6HW04   | Honeywell Aerospace | Aspire 400      | 6     |  |  |  |  |  |  |
|  |                   |                              |                           |                   |                           |                           | <b>Associated Systems</b>                            |                     |                 |       |  |  |  |  |  |  |
|  |                   |                              |                           |                   |                           |                           | Aero Classic<br>None<br>I4 Operation<br>October 2020 |                     | Swift64<br>None |       |  |  |  |  |  |  |
| <table border="1"> <tr> <td>TAP 001</td> <td>HDR</td> <td>21<sup>st</sup> Oct 2020</td> </tr> <tr> <td>TAP 002</td> <td>SB-S 2.0</td> <td>21<sup>st</sup> Oct 2020</td> </tr> </table> | TAP 001           | HDR                          | 21 <sup>st</sup> Oct 2020 | TAP 002           | SB-S 2.0                  | 21 <sup>st</sup> Oct 2020 |  |                     |                 |       |  |  |  |  |  |  |
| TAP 001  | HDR               | 21 <sup>st</sup> Oct 2020    |                           |                   |                           |                           |  |                     |                 |       |  |  |  |  |  |  |
| TAP 002  | SB-S 2.0          | 21 <sup>st</sup> Oct 2020    |                           |                   |                           |                           |  |                     |                 |       |  |  |  |  |  |  |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                               |                                      | DLNA              |                           |                           | AVIONICS/HPA                             |                     |                 |       |  |  |  |  |  |  |
|--|-------------------|-------------------------------|--------------------------------------|-------------------|---------------------------|---------------------------|--|---------------------|-----------------|-------|--|--|--|--|--|--|
|  | Assessment Number | Manufacturer                  | Model Name                           | Assessment Number | Manufacturer              | Type                      | Assessment Number                        | Manufacturer        | Model Name      | Class |  |  |  |  |  |  |
| <b>S6HW25</b><br>Class 6,<br>Multi-Channel<br><b>21<sup>st</sup> Oct 2020</b><br><b>Honeywell Aerospace</b>  | AHCH04            | Omnipless/ Chelton Inc/Cobham | HGA-7001 (Top Mount) (Collins:2100C) | DTFCM01           | COM DEV International Ltd | Type F                    | B6HW04                                   | Honeywell Aerospace | Aspire 400      | 6     |  |  |  |  |  |  |
|  |                   |                               |                                      |                   |                           |                           | <b>Associated Systems</b>                |                     |                 |       |  |  |  |  |  |  |
|  |                   |                               |                                      |                   |                           |                           | Aero Classic<br>None<br>I4 Operation N.A |                     | Swift64<br>None |       |  |  |  |  |  |  |
| <table border="1"> <tr> <td>TAP 001</td> <td>HDR</td> <td>21<sup>st</sup> Oct 2020</td> </tr> <tr> <td>TAP 002</td> <td>SB-S 2.0</td> <td>21<sup>st</sup> Oct 2020</td> </tr> </table> | TAP 001           | HDR                           | 21 <sup>st</sup> Oct 2020            | TAP 002           | SB-S 2.0                  | 21 <sup>st</sup> Oct 2020 |  |                     |                 |       |  |  |  |  |  |  |
| TAP 001  | HDR               | 21 <sup>st</sup> Oct 2020     |                                      |                   |                           |                           |  |                     |                 |       |  |  |  |  |  |  |
| TAP 002  | SB-S 2.0          | 21 <sup>st</sup> Oct 2020     |                                      |                   |                           |                           |  |                     |                 |       |  |  |  |  |  |  |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                              |            | DLNA              |                           |        | AVIONICS/HPA   |                     |                 |       |
|---|-------------------|------------------------------|------------|-------------------|---------------------------|--------|--|---------------------|-----------------|-------|
|   | Assessment Number | Manufacturer                 | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number                                    | Manufacturer        | Model Name      | Class |
| <b>S6HW26</b><br>Class 6,<br>Multi-Channel<br><br><b>31<sup>st</sup> Oct 2024</b><br><b>Honeywell Aerospace</b> | AHES03            | EMS Technologies Canada Ltd. | AMT-700    | DTFCM01           | COM DEV International Ltd | Type F | B6HW04   | Honeywell Aerospace | Aspire 400      | 6     |
|   |                   |                              |            |                   |                           |        | <b>Associated Systems</b>                            |                     |                 |       |
|   |                   |                              |            |                   |                           |        | Aero Classic<br>None<br>I4 Operation<br>October 2020 |                     | Swift64<br>None |       |
| TAP 001   | HDR               | 31 <sup>st</sup> Oct 2024    |            |                   |                           |        |  |                     |                 |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                              |                         | DLNA              |                           |        | AVIONICS/HPA   |                     |                 |       |
|---|-------------------|------------------------------|-------------------------|-------------------|---------------------------|--------|--|---------------------|-----------------|-------|
|   | Assessment Number | Manufacturer                 | Model Name              | Assessment Number | Manufacturer              | Type   | Assessment Number                                    | Manufacturer        | Model Name      | Class |
| <b>S6HW27</b><br>Class 6,<br>Multi-Channel<br><br><b>20<sup>th</sup> Jun 2024</b><br><b>Honeywell Aerospace</b> | AHES01            | EMS Technologies Canada Ltd. | AMT-3800<br>(Top Mount) | DTJCM01           | COM DEV International Ltd | Type J | B6HW04   | Honeywell Aerospace | Aspire 400      | 6     |
|   |                   |                              |                         |                   |                           |        | <b>Associated Systems</b>                            |                     |                 |       |
|   |                   |                              |                         |                   |                           |        | Aero Classic<br>None<br>I4 Operation<br>October 2020 |                     | Swift64<br>None |       |
| TAP 001   | HDR               | 20 <sup>th</sup> Jun 2024    |                         |                   |                           |        |  |                     |                 |       |





| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                              |                      | DLNA              |                           |        | AVIONICS/HPA              |                     |                 |       |
|--|-------------------|------------------------------|----------------------|-------------------|---------------------------|--------|---------------------------|---------------------|-----------------|-------|
|  | Assessment Number | Manufacturer                 | Model Name           | Assessment Number | Manufacturer              | Type   | Assessment Number         | Manufacturer        | Model Name      | Class |
| <b>S7HW01</b><br>Class 7,<br>Multi-Channel<br>21 <sup>st</sup> Oct 2020<br>Honeywell Aerospace | AIES02            | EMS Technologies Canada Ltd. | AMT-1800 (Top Mount) | DTFCM01           | COM DEV International Ltd | Type F | B7HW01                    | Honeywell Aerospace | Aspire 400      | 7     |
|  |                   |                              |                      |                   |                           |        | <b>Associated Systems</b> |                     |                 |       |
|  |                   |                              |                      |                   |                           |        | Aero Classic<br>None      |                     | Swift64<br>None |       |
| TAP 001  | HDR               | 21 <sup>st</sup> Oct 2020    |                      |                   |                           |        |                           |                     |                 |       |
| TAP 002  | SB-S 2.0          | 21 <sup>st</sup> Oct 2020    |                      |                   |                           |        |                           |                     |                 |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                           |                        | DLNA              |                           |        | AVIONICS/HPA                              |                     |                 |       |
|--|-------------------|---------------------------|------------------------|-------------------|---------------------------|--------|---|---------------------|-----------------|-------|
|  | Assessment Number | Manufacturer              | Model Name             | Assessment Number | Manufacturer              | Type   | Assessment Number                         | Manufacturer        | Model Name      | Class |
| <b>S7HW02</b><br>Class 7,<br>Multi-Channel<br>21 <sup>st</sup> Oct 2020<br>Honeywell Aerospace | AICM03            | CMC Electronics           | CMA-2200SB (Top Mount) | DTFCM01           | COM DEV International Ltd | Type F | B7HW01                                    | Honeywell Aerospace | Aspire 400      | 7     |
|  |                   |                           |                        |                   |                           |        | <b>Associated Systems</b>                 |                     |                 |       |
|  |                   |                           |                        |                   |                           |        | Aero Classic<br>None<br>I4 Operation N. A |                     | Swift64<br>None |       |
| TAP 001  | HDR               | 21 <sup>st</sup> Oct 2020 |                        |                   |                           |        |   |                     |                 |       |
| TAP 002  | SB-S 2.0          | 21 <sup>st</sup> Oct 2020 |                        |                   |                           |        |   |                     |                 |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |              |                      | DLNA              |              |      | AVIONICS/HPA                                |                        |                     |       |
|--|-------------------|--------------|----------------------|-------------------|--------------|------|---|------------------------|---------------------|-------|
|  | Assessment Number | Manufacturer | Model Name           | Assessment Number | Manufacturer | Type | Assessment Number                           | Manufacturer           | Model Name          | Class |
| <b>S15HW01</b><br>Class 15,<br>Single-Channel<br><b>11<sup>th</sup> Feb 2021</b><br><b>Honeywell Aerospace</b><br><br><b>TAP002:</b> Changes on<br>Avionics/HPA – issued<br>on 11 <sup>th</sup> Oct 2024 | ALAA02            | Aeroantenna  | AAT1595-3BK<br>REV C | N.A.              | N.A          | N.A. | B15HW01                                     | Honeywell<br>Aerospace | Small<br>Satcom UAV | 15    |
|  |                   |              |                      |                   |              |      | <b>Associated Systems</b>                   |                        |                     |       |
|  |                   |              |                      |                   |              |      | Aero Classic<br>None<br>I4 Operation<br>N.A |                        | SWIFT64<br>NONE     |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                        |            | DLNA              |                              |        | AVIONICS/HPA  |                        |                 |       |
|---|-------------------|------------------------|------------|-------------------|------------------------------|--------|---|------------------------|-----------------|-------|
|   | Assessment Number | Manufacturer           | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                                       | Manufacturer           | Model Name      | Class |
| <b>S6LF01</b><br>Class 6,<br>Multi-Channel<br><br><b>17<sup>th</sup> Sept 2009</b><br><br><b>Lufthansa Technik<br/>AG</b> | AHCM01            | CMC<br>Electronics Inc | CMA-2102SB | DTFCD01           | COM DEV<br>International Ltd | Type F | B6HW02  | Honeywell<br>Aerospace | HD-710          | 6     |
|   |                   |                        |            |                   |                              |        | <b>Associated Systems</b>                               |                        |                 |       |
|   |                   |                        |            |                   |                              |        | Aero Classic<br>5HWP29<br><br>I4 Operation<br>Sept 2009 |                        | Swift64<br>None |       |

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand) + MCS-7000/4000 (Aero Classic)



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                     |            | DLNA              |                           |        | AVIONICS/HPA                                     |                     |                 |       |
|---|-------------------|---------------------|------------|-------------------|---------------------------|--------|--|---------------------|-----------------|-------|
|   | Assessment Number | Manufacturer        | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number                                | Manufacturer        | Model Name      | Class |
| <b>S6LF02</b><br>Class 6,<br>Multi-Channel<br><br><b>27<sup>th</sup> July 2010</b><br><b>Lufthansa Technik AG</b> | AHCM01            | CMC Electronics Inc | CMA-2102SB | DTFCD01           | COM DEV International Ltd | Type F | B6HW02   | Honeywell Aerospace | HD-710          | 6     |
|   |                   |                     |            |                   |                           |        | <b>Associated Systems</b>                        |                     |                 |       |
|   |                   |                     |            |                   |                           |        | Aero Classic 5HWP04<br>I4 Operation<br>Sept 2009 |                     | Swift64<br>None |       |

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand) + MCS-6000/3000 (Aero Classic)

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                |            | DLNA              |                           |        | AVIONICS/HPA                                     |                             |                   |       |
|---|-------------------|--------------------------------|------------|-------------------|---------------------------|--------|--|-----------------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                   | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number                                | Manufacturer                | Model Name        | Class |
| <b>S6LF03</b><br>Class 6,<br>Multi-Channel<br><br><b>5<sup>th</sup> September 2011</b><br><b>Lufthansa Technik AG</b> | AHCH04            | Omnipless /Chelton Inc /Cobham | HGA-7001   | DTFCD01           | COM DEV International Ltd | Type F | B6ES04   | EMS Technologies Canada Ltd | HSD-440           | 6     |
|   |                   |                                |            |                   |                           |        | <b>Associated Systems</b>                        |                             |                   |       |
|   |                   |                                |            |                   |                           |        | Aero Classic 5LFP01<br>I4 Operation<br>Sept 2011 |                             | Swift64<br>76LF01 |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                     |              | DLNA              |                           |        | AVIONICS/HPA  |                     |                   |       |
|---|-------------------|-------------------------------------|--------------|-------------------|---------------------------|--------|---|---------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                        | Model Name   | Assessment Number | Manufacturer              | Type   | Assessment Number                                   | Manufacturer        | Model Name        | Class |
| <b>S6LF04</b><br>Class 6,<br>Multi-Channel<br><br><b>June 2012</b><br><br><b>Lufthansa Technik AG</b> | AHBA01            | Ball Aerospace & Technologies Corp. | Airlink HGAS | DTFCD01           | COM DEV International Ltd | Type F | B6HW03  | Honeywell Aerospace | MCS- 7200         | 6     |
|   |                   |                                     |              |                   |                           |        | <b>Associated Systems</b>                           |                     |                   |       |
|   |                   |                                     |              |                   |                           |        | Aero Classic<br>5LFP02<br>I4 Operation<br>June 2012 |                     | Swift64<br>76LF02 |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                             |            | DLNA              |                           |        | AVIONICS/HPA  |                  |                   |       |
|--|-------------------|-----------------------------|------------|-------------------|---------------------------|--------|---|------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number                                   | Manufacturer     | Model Name        | Class |
| <b>S6RK01</b><br>Class 6,<br>Multi-Channel<br><br><b>20<sup>th</sup> May 2009</b><br><br><b>Rockwell Collins</b> | AHES02            | EMS Technologies Canada Ltd | AMT-50     | DTFCM01           | COM DEV International Ltd | Type F | B6RK01  | Rockwell Collins | SRT-2100B         |       |
|  |                   |                             |            |                   |                           |        | <b>Associated Systems</b>                           |                  |                   |       |
|  |                   |                             |            |                   |                           |        | Aero Classic<br>5RKP19<br>I4 Operation<br>July 2009 |                  | Swift64<br>76RK06 |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA  |                  |                   |       |  |  |
|--|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|---|------------------|-------------------|-------|--|--|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                                   | Manufacturer     | Model Name        | Class |  |  |
| <b>S6RK02</b><br>Class 6,<br>Multi-Channel<br><br><b>20<sup>th</sup> May 2009</b><br><br><b>Rockwell Collins</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6RK01  | Rockwell Collins | SRT-2100B         | 6     |  |  |
|  |                   |                                      |            |                   |                              |        | <b>Associated Systems</b>                           |                  |                   |       |  |  |
|  |                   |                                      |            |                   |                              |        | Aero Classic<br>5RKP17<br>I4 Operation<br>July 2009 |                  | Swift64<br>76RK06 |       |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA   |                              |        | AVIONICS/HPA      |                  |                   |       |                           |
|---|-------------------|--------------------------------------|------------|--|------------------------------|--------|-------------------|------------------|-------------------|-------|---------------------------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number  | Manufacturer                 | Type   | Assessment Number | Manufacturer     | Model Name        | Class |                           |
| <b>S6RK03</b><br>Class 6,<br>Multi-Channel<br><br><b>2<sup>nd</sup> Dec 2009</b><br><br><b>Rockwell Collins</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCM01  | COM DEV<br>International Ltd | Type F | B6RK02            | Rockwell Collins | AT-906B           | 6     |                           |
|   |                   |                                      |            | DTACH01<br>DAU-7060                                      |                              |        |                   |                  | Chelton Inc       |       | <b>Associated Systems</b> |
|   |                   |                                      |            | Aero Classic<br>5RKP22*<br><br>I4 Operation<br>July 2009 |                              |        |                   |                  | Swift64<br>76RK02 |       |                           |

\* Interworking Flight Test required upon 1<sup>st</sup> installation.



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                        |            | DLNA              |                              |                              | AVIONICS/HPA              |                  |                   |       |  |  |
|---|-------------------|------------------------|------------|-------------------|------------------------------|------------------------------|---------------------------|------------------|-------------------|-------|--|--|
|   | Assessment Number | Manufacturer           | Model Name | Assessment Number | Manufacturer                 | Type                         | Assessment Number         | Manufacturer     | Model Name        | Class |  |  |
| <b>S6RK04</b><br>Class 6,<br>Multi-Channel<br><br><b>3<sup>rd</sup> Dec 2009</b><br><br><b>Rockwell Collins</b> | AHCM01            | CMC<br>Electronics Inc | CMA-2102SB | DTFCM01           | COM DEV<br>International Ltd | Type F<br><br>Mod Type<br>A* | B6RK02                    | Rockwell Collins | SAT-906B          | 6     |  |  |
|   |                   |                        |            |                   |                              |                              | <b>Associated Systems</b> |                  |                   |       |  |  |
|   |                   |                        |            |                   |                              |                              | Aero Classic<br>5RKP23    |                  | Swift64<br>76RK02 |       |  |  |
|   |                   |                        |            |                   |                              |                              | I4 Operation<br>July 2009 |                  |                   |       |  |  |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                        |            | DLNA              |                              |        | AVIONICS/HPA              |                  |                   |       |  |  |
|--|-------------------|------------------------|------------|-------------------|------------------------------|--------|---------------------------|------------------|-------------------|-------|--|--|
|  | Assessment Number | Manufacturer           | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer     | Model Name        | Class |  |  |
| <b>S6RK05</b><br>Class 6,<br>Multi-Channel<br><br><b>12<sup>th</sup> Jan 2010</b><br><br><b>Rockwell Collins</b> | AHCM01            | CMC<br>Electronics Inc | CMA-2102SB | DTFCM01           | COM DEV<br>International Ltd | Type F | B6RK01                    | Rockwell Collins | SRT-2100B         | 6     |  |  |
|  |                   |                        |            |                   |                              |        | <b>Associated Systems</b> |                  |                   |       |  |  |
|  |                   |                        |            |                   |                              |        | Aero Classic<br>5RKP21    |                  | Swift64<br>76RK06 |       |  |  |
|  |                   |                        |            |                   |                              |        | I4 Operation<br>July 2009 |                  |                   |       |  |  |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                  |                   |       |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer     | Model Name        | Class |
| <b>S6RK06</b><br>Class 6,<br>Multi-Channel<br><br><b>12<sup>th</sup> Feb 2010</b><br><br><b>Rockwell Collins</b> | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCM01           | COM DEV<br>International Ltd | Type F | B6RK01                    | Rockwell Collins | SRT-2100B         | 6     |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                  |                   |       |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5RKP16    |                  | Swift64<br>76RK06 |       |
|  |                   |                                   |            |                   |                              |        | I4 Operation<br>July 2009 |                  |                   |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                        | DLNA              |                           |                    | AVIONICS/HPA              |                  |                |       |
|---|-------------------|--------------------------------------|------------------------|-------------------|---------------------------|--------------------|---------------------------|------------------|----------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name             | Assessment Number | Manufacturer              | Type               | Assessment Number         | Manufacturer     | Model Name     | Class |
| <b>S6RK07</b><br>Class 6,<br>Multi-Channel<br><br><b>16<sup>th</sup> June 2011</b><br><br><b>Rockwell Collins</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001<br>(HGA2100A) | DTACH01           | Omnipless/<br>Chelton Inc | Modified<br>Type A | B6RK03                    | Rockwell Collins | SAT-2200       | 6     |
|   |                   |                                      |                        |                   |                           |                    | <b>Associated Systems</b> |                  |                |       |
|   |                   |                                      |                        |                   |                           |                    | Aero Classic<br>5RKP26    |                  | Swift64<br>N/A |       |
|   |                   |                                      |                        |                   |                           |                    | I4 Operation<br>July 2011 |                  |                |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                  |                   |       |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer     | Model Name        | Class |
| <b>S6RK08</b><br>Class 6,<br>Multi-Channel<br><br>2 <sup>nd</sup> September 2011<br><br>Rockwell Collins | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK02                    | Rockwell Collins | SAT-906B          | 6     |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                  |                   |       |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5RKP24*   |                  | Swift64<br>76RK02 |       |
|  |                   |                                   |            |                   |                              |        | I4 Operation<br>July 2009 |                  |                   |       |

\* Interworking Flight Test required upon 1<sup>st</sup> installation.

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |                        | DLNA              |                              |        | AVIONICS/HPA              |                  |                   |       |
|--|-------------------|--------------------------------------|------------------------|-------------------|------------------------------|--------|---------------------------|------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                         | Model Name             | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer     | Model Name        | Class |
| <b>S6RK09</b><br>Class 6,<br>Multi-Channel<br><br>13 <sup>th</sup> August 2014<br><br>Rockwell Collins | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001<br>(HGA2100A) | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK05                    | Rockwell Collins | SAT- 2200A        | 6     |
|  |                   |                                      |                        |                   |                              |        | <b>Associated Systems</b> |                  |                   |       |
|  |                   |                                      |                        |                   |                              |        | Aero Classic<br>5RKP27    |                  | Swift64<br>76RK08 |       |
|  |                   |                                      |                        |                   |                              |        | I4 Operation<br>Aug 2014  |                  |                   |       |





| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                             |            | DLNA              |                           |        | AVIONICS/HPA  |                  |                  |       |
|---|-------------------|-----------------------------|------------|-------------------|---------------------------|--------|---|------------------|------------------|-------|
|   | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number                                       | Manufacturer     | Model Name       | Class |
| <b>S6RK10</b><br>Class 6,<br>Multi-Channel<br><br><b>7<sup>th</sup> March 2012</b><br><br><b>Rockwell Collins</b> | AHES03            | EMS Technologies Canada Ltd | AMT-700    | DTFCD01           | COM DEV International Ltd | Type F | B6RK01  | Rockwell Collins | SAT-2100B        | 6     |
|   |                   |                             |            |                   |                           |        | <b>Associated Systems</b>                               |                  |                  |       |
|   |                   |                             |            |                   |                           |        | Aero Classic<br>5RKP28<br>I4 Operation<br>November 2011 |                  | wift64<br>76RK06 |       |

\* Interworking Flight Test required upon 1<sup>st</sup> installation.

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                              |            | DLNA              |                           |        | AVIONICS/HPA  |                  |                   |       |
|--|-------------------|------------------------------|------------|-------------------|---------------------------|--------|---|------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                 | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number                                       | Manufacturer     | Model Name        | Class |
| <b>S6RK11</b><br>Class 6,<br>Multi-Channel<br><br><b>21st November 2011</b><br><br><b>Rockwell Collins</b> | AHES02            | Omnipless/Chelton Inc/Cobham | HGA-7000   | DTFCD01           | COM DEV International Ltd | Type F | B6RK01  | Rockwell Collins | SAT-2100B         | 6     |
|  |                   |                              |            |                   |                           |        | <b>Associated Systems</b>                               |                  |                   |       |
|  |                   |                              |            |                   |                           |        | Aero Classic<br>5RKP29<br>I4 Operation<br>November 2011 |                  | Swift64<br>76RK06 |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                     |                        | DLNA              |                              |        | AVIONICS/HPA                                       |                  |                |       |
|--|-------------------|-------------------------------------|------------------------|-------------------|------------------------------|--------|--|------------------|----------------|-------|
|  | Assessment Number | Manufacturer                        | Model Name             | Assessment Number | Manufacturer                 | Type   | Assessment Number                                  | Manufacturer     | Model Name     | Class |
| <b>S6RK12</b><br>Class 6,<br>Multi-Channel<br><br><b>9<sup>th</sup> February 2012</b><br><br><b>Rockwell Collins</b> | AHCH04            | Omnipler<br>/Chelton Inc<br>/Cobham | HGA-7001<br>(HGA2100A) | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK04   | Rockwell Collins | SAT-2200       | 6     |
|  |                   |                                     |                        |                   |                              |        | <b>Associated Systems</b>                          |                  |                |       |
|  |                   |                                     |                        |                   |                              |        | Aero Classic<br>5RKP30<br>I4 Operation<br>Feb 2012 |                  | Swift64<br>N/A |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                     |                        | DLNA              |                              |        | AVIONICS/HPA                                       |                  |                |       |
|--|-------------------|-------------------------------------|------------------------|-------------------|------------------------------|--------|--|------------------|----------------|-------|
|  | Assessment Number | Manufacturer                        | Model Name             | Assessment Number | Manufacturer                 | Type   | Assessment Number                                  | Manufacturer     | Model Name     | Class |
| <b>S6RK13</b><br>Class 6,<br>Multi-Channel<br><br><b>9<sup>th</sup> February 2012</b><br><br><b>Rockwell Collins</b> | AHCH04            | Omnipler<br>/Chelton Inc<br>/Cobham | HGA-7001<br>(HGA2100A) | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK03   | Rockwell Collins | SAT-2200       | 6     |
|  |                   |                                     |                        |                   |                              |        | <b>Associated Systems</b>                          |                  |                |       |
|  |                   |                                     |                        |                   |                              |        | Aero Classic<br>5RKP26<br>I4 Operation<br>Feb 2012 |                  | Swift64<br>N/A |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA  |                  |                   |       |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---|------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                                   | Manufacturer     | Model Name        | Class |
| <b>S6RK14</b><br>Class 6,<br>Multi-Channel<br><br><b>16th July 2012</b><br><br><b>Rockwell Collins</b> | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK06  | Rockwell Collins | SAT-2200-2        | 6     |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>                           |                  |                   |       |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5RKP31<br>I4 Operation<br>July 2012 |                  | Swift64<br>76RK11 |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                        |            | DLNA              |                              |        | AVIONICS/HPA                                   |                  |               |       |
|---|-------------------|------------------------|------------|-------------------|------------------------------|--------|--|------------------|---------------|-------|
|   | Assessment Number | Manufacturer           | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number                              | Manufacturer     | Model Name    | Class |
| <b>S6RK15</b><br>Class 6,<br>Multi-Channel<br><br><b>PCTA 18<sup>th</sup></b><br><b>April 2012</b><br><br><b>Rockwell Collins</b> | AHCM01            | CMC<br>Electronics Inc | CMA-2102SB | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK04   | Rockwell Collins | SAT-2200      | 6     |
|   |                   |                        |            |                   |                              |        | <b>Associated Systems</b>                      |                  |               |       |
|   |                   |                        |            |                   |                              |        | Aero Classic<br>5RKP32<br>I4 Operation<br>PCTA |                  | Swift64<br>NA |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                             |            | DLNA              |                           |        | AVIONICS/HPA  |                  |                   |       |
|---|-------------------|-----------------------------|------------|-------------------|---------------------------|--------|---|------------------|-------------------|-------|
|   | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number   | Manufacturer     | Model Name        | Class |
| <b>S6RK16</b><br>Class 6,<br>Multi-Channel<br><br><b>5<sup>th</sup> September 2012</b><br><br><b>Rockwell Collins</b> | AHES03            | EMS Technologies Canada Ltd | AMT-700    | DTFCD01           | COM DEV International Ltd | Type F | B6RK02  | Rockwell Collins | SAT-906B          | 6     |
|   |                   |                             |            |                   |                           |        | <b>Associated Systems</b>                                 |                  |                   |       |
|   |                   |                             |            |                   |                           |        | Aero Classic<br>5RKP33*<br>I4 Operation<br>September 2012 |                  | Swift64<br>76RK02 |       |

\* Interworking Flight Test required upon 1<sup>st</sup> installation.

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                             |            | DLNA              |                           |        | AVIONICS/HPA   |                  |                 |       |
|--|-------------------|-----------------------------|------------|-------------------|---------------------------|--------|--|------------------|-----------------|-------|
|  | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer              | Type   | Assessment Number                                      | Manufacturer     | Model Name      | Class |
| <b>S6RK17</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> January 2018</b><br><br><b>Rockwell Collins</b> | AHES01            | EMS Technologies Canada Ltd | AMT-3800   | DTFCD01           | COM DEV International Ltd | Type F | B6RK04   | Rockwell Collins | SAT-2200        | 6     |
|  |                   |                             |            |                   |                           |        | <b>Associated Systems</b>                              |                  |                 |       |
|  |                   |                             |            |                   |                           |        | Aero Classic<br>5RKP36<br>I4 Operation<br>January 2018 |                  | Swift64<br>N.A. |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA               |                  |                   |       |
|--|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|----------------------------|------------------|-------------------|-------|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number          | Manufacturer     | Model Name        | Class |
| <b>S6RK18</b><br>Class 6,<br>Multi-Channel<br><br><b>28<sup>th</sup> March 2017</b><br><br><b>Rockwell Collins</b> | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK06                     | Rockwell Collins | SAT-2200-2        | 6     |
|  |                   |                                   |            |                   |                              |        | <b>Associated Systems</b>  |                  |                   |       |
|  |                   |                                   |            |                   |                              |        | Aero Classic<br>5RKP37     |                  | Swift64<br>76RK13 |       |
|  |                   |                                   |            |                   |                              |        | I4 Operation<br>March 2017 |                  |                   |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                        | DLNA              |                              |        | AVIONICS/HPA                |                  |               |       |
|---|-------------------|--------------------------------------|------------------------|-------------------|------------------------------|--------|-----------------------------|------------------|---------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name             | Assessment Number | Manufacturer                 | Type   | Assessment Number           | Manufacturer     | Model Name    | Class |
| <b>S6RK19</b><br>Class 6,<br>Multi-Channel<br><br><b>19<sup>th</sup> July 2017</b><br><br><b>Rockwell Collins</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001<br>(HGA2100A) | DTFCD01           | COM DEV<br>International Ltd | Type F | B6RK07                      | Rockwell Collins | AT- 2200B     | 6     |
|   |                   |                                      |                        |                   |                              |        | <b>Associated Systems</b>   |                  |               |       |
|   |                   |                                      |                        |                   |                              |        | Aero Classic<br>5RKP38      |                  | Swift64<br>NA |       |
|   |                   |                                      |                        |                   |                              |        | I4 Operation<br>August 2017 |                  |               |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |                      | AVIONICS/HPA              |                        |                 |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|----------------------|---------------------------|------------------------|-----------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type                 | Assessment Number         | Manufacturer           | Model Name      | Class |
| <b>S6TH01</b><br>Class 6,<br>Multi-Channel<br><br><b>29<sup>th</sup> May 2009</b><br><br><b>Thales Avionics Ltd</b> | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTFCM01           | COM DEV<br>International Ltd | Type F<br>(82161B30) | B6TH01                    | Thales Avionics<br>Ltd | TopFlight       | 6     |
|   |                   |                                   |            |                   |                              |                      | <b>Associated Systems</b> |                        |                 |       |
|   |                   |                                   |            |                   |                              |                      | Aero Classic<br>None      |                        | Swift64<br>None |       |
|   |                   |                                   |            |                   |                              |                      | I4 Operation<br>July 2009 |                        |                 |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                              |                      | AVIONICS/HPA              |                        |                 |       |
|---|-------------------|--------------------------------------|------------|-------------------|------------------------------|----------------------|---------------------------|------------------------|-----------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type                 | Assessment Number         | Manufacturer           | Model Name      | Class |
| <b>S6TH03</b><br>Class 6,<br>Multi-Channel<br><br><b>17<sup>th</sup> May 2010</b><br><br><b>Thales Avionics Ltd</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCM01           | COM DEV<br>International Ltd | Type F<br>(82161B30) | B6TH01<br>(FMPA)          | Thales Avionics<br>Ltd | TopFlight       | 6     |
|   |                   |                                      |            |                   |                              |                      | <b>Associated Systems</b> |                        |                 |       |
|   |                   |                                      |            |                   |                              |                      | Aero Classic<br>5THP01    |                        | Swift64<br>None |       |
|   |                   |                                      |            |                   |                              |                      | I4 Operation<br>July 2009 |                        |                 |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                 |             | DLNA              |                           |        | AVIONICS/HPA              |              |            |       |
|--|-------------------|-----------------|-------------|-------------------|---------------------------|--------|---------------------------|--------------|------------|-------|
|  | Assessment Number | Manufacturer    | Model Name  | Assessment Number | Manufacturer              | Type   | Assessment Number         | Manufacturer | Model Name | Class |
| <b>S6TH05</b><br>Class 6,<br>Multi-Channel<br><br>17 <sup>th</sup> January 2012<br><br>Thales Avionics Ltd | AHCM01            | CMC Electronics | CMA- 2102SB | DTFCM01           | COM DEV International Ltd | Type F | B6TH02                    | Thales       | TopFlight  | 6     |
|  |                   |                 |             |                   |                           |        | <b>Associated Systems</b> |              |            |       |
|  |                   |                 |             |                   |                           |        | Aero Classic 5THP01       |              | N/A        |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                             |            | DLNA                      |                           |                                 | AVIONICS/HPA      |                     |              |       |
|---|-------------------|-----------------------------|------------|---------------------------|---------------------------|---------------------------------|-------------------|---------------------|--------------|-------|
|   | Assessment Number | Manufacturer                | Model Name | Assessment Number         | Manufacturer              | Type                            | Assessment Number | Manufacturer        | Model Name   | Class |
| <b>S7TH01</b><br>Class 7,<br>Single-Channel<br><br>30 <sup>th</sup> Jan 2009<br><br>Thales Avionics Ltd | AIES01            | EMS Technologies Canada Ltd | AMT-3500   | DTAES01                   | Thales Avionics Ltd       | ARINC 741 Mod Type A (82161A30) | B7TH01            | Thales Avionics Ltd | TopFlight    | 7     |
|   |                   |                             |            | <b>Associated Systems</b> |                           |                                 |                   |                     |              |       |
|   |                   |                             |            | DTFCM01                   | COM DEV International Ltd | Type F (82161B30)               | Aero Classic None |                     | Swift64 None |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                              |                      | AVIONICS/HPA              |                        |            |       |
|---|-------------------|--------------------------------------|------------|-------------------|------------------------------|----------------------|---------------------------|------------------------|------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type                 | Assessment Number         | Manufacturer           | Model Name | Class |
| <b>S6TH06</b><br>Class 6,<br>Multi-Channel<br><br><b>23<sup>rd</sup> Feb 2012</b><br><br><b>Thales Avionics Ltd</b> | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | TFCM01            | COM DEV<br>International Ltd | Type F<br>(82161B30) | B6TH02<br>(internal PA)   | Thales Avionics<br>Ltd | TopFlight  | 6     |
|   |                   |                                      |            |                   |                              |                      | <b>Associated Systems</b> |                        |            |       |
|   |                   |                                      |            |                   |                              |                      | Aero Classic<br>5THP04    |                        | Swift64    |       |
|   |                   | I4 Operation<br>July 2009            |            | None              |                              |                      |                           |                        |            |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                       |          | AVIONICS/HPA              |                       |                     |       |
|---|-------------------|-----------------------------------|------------|-------------------|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S6TT01</b><br>Class 6,<br>Single-Channel<br><br><b>5<sup>th</sup> May 2009</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTSTT01           | Thrane &<br>Thrane AS | Type 'S' | B6TT01                    | Thrane &<br>Thrane AS | Aviator<br>350/350D | 6     |
|   |                   |                                   |            |                   |                       |          | <b>Associated Systems</b> |                       |                     |       |
|   |                   |                                   |            |                   |                       |          | Aero Classic<br>None      |                       | Swift64<br>None     |       |





| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |                      | DLNA              |                       |          | AVIONICS/HPA              |                       |                     |       |                 |  |  |
|---|-------------------|--------------------------------------|----------------------|-------------------|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|-----------------|--|--|
|   | Assessment Number | Manufacturer                         | Model Name           | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |                 |  |  |
| <b>S6TT02</b><br>Class 6,<br>Single-Channel<br><br><b>23<sup>rd</sup> June 2009</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHCH01            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-6000<br>HGA-6500 | DTSTT01           | Thrane &<br>Thrane AS | Type 'S' | B6TT01                    | Thrane &<br>Thrane AS | Aviator<br>350/350D | 6     |                 |  |  |
|   |                   |                                      |                      |                   |                       |          | <b>Associated Systems</b> |                       |                     |       |                 |  |  |
|   |                   |                                      |                      |                   |                       |          | Aero Classic<br>None      |                       |                     |       | Swift64<br>None |  |  |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                       |                     |       |                   |  |  |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------|---------------------|-------|-------------------|--|--|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer          | Model Name          | Class |                   |  |  |
| <b>S6TT03</b><br>Class 6,<br>Multi-Channel<br><br><b>22<sup>nd</sup> Jan 2010</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHES02            | EMS<br>Technologies<br>Canada Ltd | AMT-50     | DTFCD01           | COM DEV<br>International Ltd | Type F | B6TT01                    | Thrane &<br>Thrane AS | Aviator<br>700/700D | 6     |                   |  |  |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                       |                     |       |                   |  |  |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5TTP12    |                       |                     |       | Swift64<br>76TT12 |  |  |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA              |                       |                     |       |
|---|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------|---------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S6TT04</b><br>Class 6,<br>Multi-Channel<br><br><b>22<sup>nd</sup> Jan 2010</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHCH02            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7000   | DTFCD01           | COM DEV<br>International Ltd | Type F | B6TT01                    | Thrane & Thrane<br>AS | Aviator<br>700/700D | 6     |
|   |                   |                                      |            |                   |                              |        | <b>Associated Systems</b> |                       |                     |       |
|   |                   |                                      |            |                   |                              |        | Aero Classic<br>5TTP14    |                       | Swift64<br>76TT12   |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |  | DLNA                      |                       |          | AVIONICS/HPA      |                       |                     |       |
|--|-------------------|--------------------------------------|--|---------------------------|-----------------------|----------|-------------------|-----------------------|---------------------|-------|
|  | Assessment Number | Manufacturer                         | Model Name                                       | Assessment Number         | Manufacturer          | Type     | Assessment Number | Manufacturer          | Model Name          | Class |
| <b>S7TT01</b><br>Class 7,<br>Single-Channel<br><br><b>27<sup>th</sup> Nov 2008</b><br><br><b>Thrane &amp; Thrane A/S</b> | AICH01            | Omnipless<br>/Chelton Inc<br>/Cobham | TT-5006A   | DTSTT01                   | Thrane &<br>Thrane AS | Type 'S' | B7TT01            | Thrane &<br>Thrane AS | Aviator<br>300/300D | 7     |
|  |                   |                                      | TT-5016A<br>Integrated<br>HPA, LNA<br>& Diplexer | <b>Associated Systems</b> |                       |          |                   |                       |                     |       |
|  |                   |                                      | Aero Classic<br>None                             |                           |                       |          | Swift64<br>None   |                       |                     |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |               |            | DLNA              |                    |          | AVIONICS/HPA              |                    |                  |       |
|---|-------------------|---------------|------------|-------------------|--------------------|----------|---------------------------|--------------------|------------------|-------|
|   | Assessment Number | Manufacturer  | Model Name | Assessment Number | Manufacturer       | Type     | Assessment Number         | Manufacturer       | Model Name       | Class |
| <b>S15TT01</b><br>Class 7,<br>Single-Channel<br><br><b>18<sup>th</sup> Oct 2010</b><br><br><b>Thrane &amp; Thrane A/S</b> |                   | Sensor System | TT-3002    | DTSTT01           | Thrane & Thrane AS | Type 'S' | B15TT01                   | Thrane & Thrane AS | Aviator 200/200D | 7     |
|   |                   |               |            |                   |                    |          | <b>Associated Systems</b> |                    |                  |       |
|   |                   |               |            |                   |                    |          | Aero Classic<br>None      |                    | Swift64<br>None  |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                             |            | DLNA              |                    |          | AVIONICS/HPA              |                    |                  |       |
|--|-------------------|-----------------------------|------------|-------------------|--------------------|----------|---------------------------|--------------------|------------------|-------|
|  | Assessment Number | Manufacturer                | Model Name | Assessment Number | Manufacturer       | Type     | Assessment Number         | Manufacturer       | Model Name       | Class |
| <b>S6TT05</b><br>Class 6,<br>Single-Channel<br><br><b>15<sup>th</sup> October 2011</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHES03            | EMS Technologies Canada Ltd | AMT-700    | DTSTT01           | Thrane & Thrane AS | Type 'S' | B6TT01                    | Thrane & Thrane AS | Aviator 350/350D | 6     |
|  |                   |                             |            |                   |                    |          | <b>Associated Systems</b> |                    |                  |       |
|  |                   |                             |            |                   |                    |          | Aero Classic<br>None      |                    | Swift64<br>None  |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                     |            | DLNA              |                       |          | AVIONICS/HPA              |                       |                     |       |
|---|-------------------|-------------------------------------|------------|-------------------|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|
|   | Assessment Number | Manufacturer                        | Model Name | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S6TT06</b><br>Class 6,<br>Single-Channel<br><b>12<sup>th</sup> November 2011</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHCH04            | Omnipless/<br>Chelton<br>Inc/Cobham | HGA-7001   | DTSTT01           | Thrane &<br>Thrane AS | Type 'S' | B6TT01                    | Thrane &<br>Thrane AS | Aviator<br>350/350D | 6     |
|   |                   |                                     |            |                   |                       |          | <b>Associated Systems</b> |                       |                     |       |
|   |                   |                                     |            |                   |                       |          | Aero Classic<br>None      |                       | Swift64<br>None     |       |

| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                   |            | DLNA              |                              |        | AVIONICS/HPA              |                       |                     |       |
|---|-------------------|-----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------|---------------------|-------|
|   | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S6TT07</b><br>Class 6,<br>Multi-Channel<br><br><b>27<sup>th</sup> March 2012</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHES03            | EMS<br>Technologies<br>Canada Ltd | AMT-700    | DTFCD01           | COM DEV<br>International Ltd | Type F | B6TT02                    | Thrane &<br>Thrane AS | Aviator<br>700/700D | 6     |
|   |                   |                                   |            |                   |                              |        | <b>Associated Systems</b> |                       |                     |       |
|   |                   |                                   |            |                   |                              |        | Aero Classic<br>5TTP20    |                       | Swift64<br>76TT30   |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA              |                       |          | AVIONICS/HPA              |                       |                     |       |
|---|-------------------|--------------------------------------|------------|-------------------|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S7TT02</b><br>Class 7,<br>Single-Channel<br><br>28 <sup>th</sup> March 2012<br><br>Thrane & Thrane A/S | AICH02            | Omnipless<br>/Chelton Inc<br>/Cobham | IGA-5001   | DTSTT01           | Thrane &<br>Thrane AS | Type 'S' | B7TT01                    | Thrane &<br>Thrane AS | Aviator<br>300/300D | 7     |
|   |                   |                                      |            |                   |                       |          | <b>Associated Systems</b> |                       |                     |       |
|   |                   |                                      |            |                   |                       |          | Aero Classic<br>None      |                       | Swift64<br>None     |       |

| Type Approved SBB<br>Systems  | Antenna           |                        |            | DLNA              |                       |          | Avionics/HPA              |                       |                     |       |
|---|-------------------|------------------------|------------|-------------------|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|
|   | Assessment Number | Manufacturer           | Model Name | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S6TT08</b><br>Class 6,<br>Single-Channel<br><br>28 <sup>th</sup> March 2012<br><br>Thrane & Thrane A/S | AHCM02            | CMC<br>Electronics Inc | CMA-2102   | DTSTT01           | Thrane &<br>Thrane AS | Type 'S' | B6TT01                    | Thrane &<br>Thrane AS | Aviator<br>350/350D | 6     |
|   |                   |                        |            |                   |                       |          | <b>Associated Systems</b> |                       |                     |       |
|   |                   |                        |            |                   |                       |          | Aero Classic<br>None      |                       | Swift64<br>None     |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                      |            | DLNA   |                       |          | AVIONICS/HPA              |                       |                     |       |
|---|-------------------|--------------------------------------|------------|--|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|
|   | Assessment Number | Manufacturer                         | Model Name | Assessment Number  | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S6TT09</b><br>Class 6,<br>Single-Channel<br><br>28 <sup>th</sup> March 2012<br><br>Thrane & Thrane A/S | AHCH02            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7000   | DTSTT01<br><br>TT-5016A<br>Integrated<br>HPA, LNA<br>& Diplexer. | Thrane &<br>Thrane AS | Type 'S' | B6TT01                    | Thrane &<br>Thrane AS | Aviator<br>350/350D | 6     |
|   |                   |                                      |            |  |                       |          | <b>Associated Systems</b> |                       |                     |       |
|   |                   |                                      |            |  |                       |          | Aero Classic<br>None      |                       | Swift64<br>None     |       |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA              |                       |                     |       |
|--|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------|---------------------|-------|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer          | Model Name          | Class |
| <b>S6TT10</b><br>Class 6,<br>Multi-Channel<br><br>28 <sup>th</sup> March 2012<br><br>Thrane & Thrane A/S | AHCH01            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-6000   | DTFCD01           | COM DEV<br>International Ltd | Type F | B6TT02                    | Thrane &<br>Thrane AS | Aviator<br>700/700D | 6     |
|  |                   |                                      |            |                   |                              |        | <b>Associated Systems</b> |                       |                     |       |
|  |                   |                                      |            |                   |                              |        | Aero Classic<br>5TTP21    |                       | Swift64<br>76TT31   |       |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                   |            | DLNA              |                       |          | AVIONICS/HPA              |                       |                     |       |                 |  |  |
|--|-------------------|-----------------------------------|------------|-------------------|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|-----------------|--|--|
|  | Assessment Number | Manufacturer                      | Model Name | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |                 |  |  |
| <b>S6TT11</b><br>Class 6,<br>Single-Channel<br><br>7 <sup>th</sup> September 2012<br><br>Thrane & Thrane A/S | AHES01            | EMS<br>Technologies<br>Canada Ltd | AMT-3800   | DTSTT01           | Thrane &<br>Thrane AS | Type 'S' | B6TT01                    | Thrane &<br>Thrane AS | Aviator<br>350/350D | 6     |                 |  |  |
|  |                   |                                   |            |                   |                       |          | <b>Associated Systems</b> |                       |                     |       |                 |  |  |
|  |                   |                                   |            |                   |                       |          | Aero Classic<br>None      |                       |                     |       | Swift64<br>None |  |  |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA              |                              |        | AVIONICS/HPA              |   |                     |       |                   |  |  |
|--|-------------------|--------------------------------------|------------|-------------------|------------------------------|--------|---------------------------|---|---------------------|-------|-------------------|--|--|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer                                | Model Name          | Class |                   |  |  |
| <b>S6TT12</b><br>Class 6,<br>Multi-Channel<br><br>21 <sup>st</sup> Nov 2012<br><br>Thrane & Thrane A/S | AHCH04            | Omnipless<br>/Chelton Inc<br>/Cobham | HGA-7001   | DTFCD01           | COM DEV<br>International Ltd | Type F | B6TT02                    | Omnipless/<br>Chelton Inc/<br>Cobham/Thrane | Aviator<br>700/700D | 6     |                   |  |  |
|  |                   |                                      |            |                   |                              |        | <b>Associated Systems</b> |   |                     |       |                   |  |  |
|  |                   |                                      |            |                   |                              |        | Aero Classic<br>5TTP22    |   |                     |       | Swift64<br>76TT32 |  |  |



| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                                      |            | DLNA              |                       |          | AVIONICS/HPA              |                       |                     |       |                 |  |  |
|--|-------------------|--------------------------------------|------------|-------------------|-----------------------|----------|---------------------------|-----------------------|---------------------|-------|-----------------|--|--|
|  | Assessment Number | Manufacturer                         | Model Name | Assessment Number | Manufacturer          | Type     | Assessment Number         | Manufacturer          | Model Name          | Class |                 |  |  |
| <b>S15TT02</b><br>Class 15,<br>Single-Channel<br><br><b>23<sup>rd</sup> Dec 2013</b><br><br><b>Thrane &amp; Thrane A/S</b> | ALCH01            | Omnipless<br>/Chelton Inc<br>/Cobham | LGA-3000   | DTSTT01           | Thrane &<br>Thrane AS | Type 'S' | B15TT01                   | Thrane &<br>Thrane AS | Aviator<br>200/200D | 15    |                 |  |  |
|  |                   |                                      |            |                   |                       |          | <b>Associated Systems</b> |                       |                     |       |                 |  |  |
|  |                   |                                      |            |                   |                       |          | Aero Classic<br>None      |                       |                     |       | Swift64<br>None |  |  |

| TYPE APPROVED<br>SBB SYSTEMS   | ANTENNA           |                |                      | DLNA              |                              |        | AVIONICS/HPA              |                       |                     |       |                   |  |  |
|--|-------------------|----------------|----------------------|-------------------|------------------------------|--------|---------------------------|-----------------------|---------------------|-------|-------------------|--|--|
|  | Assessment Number | Manufacturer   | Model Name           | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer          | Model Name          | Class |                   |  |  |
| <b>S6TT13</b><br>Class 6,<br>Multi-Channel<br><br><b>24th Dec 2013</b><br><br><b>Thrane &amp; Thrane A/S</b> | AHBA01            | Ball Aerospace | Ball Airlink<br>HGAS | DTFCD01           | COM DEV<br>International Ltd | Type F | B6TT02                    | Thrane &<br>Thrane AS | Aviator<br>700/700D | 6     |                   |  |  |
|  |                   |                |                      |                   |                              |        | <b>Associated Systems</b> |                       |                     |       |                   |  |  |
|  |                   |                |                      |                   |                              |        | Aero Classic<br>5TTP23    |                       |                     |       | Swift64<br>76TT32 |  |  |





| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |                                  |            | DLNA              |                              |        | AVIONICS/HPA              |                       |                |       |
|---|-------------------|----------------------------------|------------|-------------------|------------------------------|--------|---------------------------|-----------------------|----------------|-------|
|   | Assessment Number | Manufacturer                     | Model Name | Assessment Number | Manufacturer                 | Type   | Assessment Number         | Manufacturer          | Model Name     | Class |
| <b>S6TT14</b><br>Class 6<br>Multi-Channel<br>(Single PS Audio &<br>ACARS only)<br><b>16<sup>th</sup> September 2022</b><br><b>Thrane &amp; Thrane A/S</b> | AHCH04            | HGA-7001                         | HGA-7001   | DTFCD01           | COM DEV<br>International Ltd | Type F | B6TT03                    | Thrane &<br>Thrane AS | Aviator 700S   | 6     |
|   |                   |                                  |            |                   |                              |        | <b>Associated Systems</b> |                       |                |       |
|   |                   |                                  |            |                   |                              |        | Aero Classic<br>N/A       |                       | Swift64<br>N/A |       |
| TAP<br>001  | HDR               | 16 <sup>th</sup><br>Sept<br>2022 |            |                   |                              |        |                           |                       |                |       |
| TAP<br>002  | SB-S<br>2.0       | 16 <sup>th</sup><br>Sept<br>2022 |            |                   |                              |        |                           |                       |                |       |



| TYPE APPROVED<br>SBB SYSTEMS  | ANTENNA           |              |                         | DLNA              |              |      | AVIONICS/HPA              |                       |                 |       |
|---|-------------------|--------------|-------------------------|-------------------|--------------|------|---------------------------|-----------------------|-----------------|-------|
|   | Assessment Number | Manufacturer | Model Name              | Assessment Number | Manufacturer | Type | Assessment Number         | Manufacturer          | Model Name      | Class |
| <b>S4TT01</b><br>Class 4,<br>Single-Channel<br><br><b>8<sup>th</sup> April 2020</b><br><b>Thrane &amp; Thrane A/S</b><br>TAP 002: Class 4 SB-S<br>2.0 (8 <sup>th</sup> April 2020:<br><u>Obsolete</u> ) | ALCH03<br>AAP001  | Cobham       | LGA-5005<br>(HELGA)     | N. A              | N. A         | N.A  | B4TT02                    | Thrane &<br>Thrane AS | Aviator 200S    | 4     |
| TAP 003: Class 4<br>SB-S 2.0 (18/01/2021<br>Revised: 08/02/2022)  | ALCH03<br>AAP001  |              | LGA-5005<br>(HELGA)     |                   |              |      |                           |                       |                 |       |
| TAP004: Class 4 SB-<br>S2.0 (8th March 2024)  | ALCH03<br>AAP002  |              | LGA-5005<br>(HELGA_LTE) |                   |              |      |                           |                       |                 |       |
| TAP005: Class 4 SB-<br>S2.0 (26th March<br>2024)  | ALCH03 AAP001     |              | LGA-5005<br>(HELGA)     |                   |              |      |                           |                       |                 |       |
| TAP006: Class 5 SB-<br>S2.0 (01 <sup>st</sup> April 2025)   | ALCH03<br>AAP002  |              | LGA-5005<br>(HELGA_LTE) |                   |              |      |                           |                       |                 |       |
|   |                   |              |                         |                   |              |      | <b>Associated Systems</b> |                       |                 |       |
|   |                   |              |                         |                   |              |      | Aero Classic<br>None      |                       | Swift64<br>None |       |

**NOTE 1: SWIFT BROADBAND SYSTEMS, REQUIRE INTEGRATION AND TESTING AS A SYSTEM. THERE IS NO GUARANTEE THAT BY COMBINING INDIVIDUAL SWIFTBROADBAND ASSESSED MODULES, THAT A PERMITTED COMPLIANT SYSTEM PERMUTATION WILL BE ACHIEVED.**



## 5. SWIFTBROADBAND: ANTENNA ASSESSMENT DETAILS

| ASSESSMENT NUMBER | MODEL NAME (MOUNTING)          | MANUFACTURER                                 | CLASS | SINGLE/MULTI | PART NUMBER   |                | RESTRICTIONS/COMMENTS   |
|-------------------|--------------------------------|--|-------|--------------|---|----------------|---|
| AHBA01            | Airlink HGAS<br>(2*Side Mount) | Ball Aerospace & Technologies Corp           | 6     | Multi        | HGA: 513738-506 to 520 (inc) BSU: 513739-509-xx to 514-xx<br>Cable Assy: 510733-500 to 510  |                | 15 <sup>th</sup> Order IM Compliant. ARINC 741, Phased Array  |
|                   |                                |  |       |              | or 513881-500 to 509  |                |   |
| AHCH01            | HGA-6000 HGA-6500 (Tail Mount) | Omnipless/Chelton Inc/Cobham                 | 6     | Multi        | HGA-6000: 677-A0161 -<br>HGA-6500: 677-A0189 -  |                | 7 <sup>th</sup> Order IM Compliant<br>ARINC 741, Mechanically Steered<br>ARINC 741/781, Mechan' Steered |
| AHCH02            | HGA-7000 (Top Mount)           | Omnipless/Chelton Inc/Cobham                 | 6     | Multi        | Omnipless/Cobham: 677-A0106<br>Chelton Inc/Cobham: 804-10-0001  |                | 7 <sup>th</sup> Order IM Compliant<br>ARINC 741, Phased Array   |
| AHCH03            | HGA-8000 (Top Mount)           | Omnipless/Chelton Inc/Cobham                 | 6     | Multi        | Omnipless/Cobham: 677-A0163 Chelton Inc/Cobham: 805-10-0001   |                | 11 <sup>th</sup> Order IM Compliant ARINC 741, Phased Array   |
| AHCH04            | HGA-7001 (Top Mount)           | Omnipless/Chelton Inc/Cobham                 | 6     | Multi        | Omnipless/Cobham: 677-A0173- 004 or 4141-89-99<br>Chelton Inc/Cobham: 804-10-0015<br>Rockwell: 866-5015-101 Rockwell: 866-5015-010R |                | 7 <sup>th</sup> Order IM Compliant ARINC 781, Phased Array  |
| AICH01            | IGA-5006 IGA-5006A (Top/Tail)  | Omnipless/Chelton Inc/Cobham Thrane & Thrane | 7     | Single       | Omn/Che/Cob (5006): 677-A0002<br>Universal (5006): 10101-00<br>Thrane (5006A): 405006A-PMA  |                | Single SBB or Classic only.<br>Mechanically Steered   |
| AICH02            | IGA-5001 (Top Mount)           | Omnipless/Chelton Inc/Cobham                 | 7     | Multi        | Omn/Che/Cob (5001): 677-A0181   |                | 9 <sup>th</sup> Order IM Compliant Phased Array   |
| ALCH01            | LGA-3000 (Blade)               | Omnipless/Chelton Inc/Cobham                 | 15    | Single       | 677-A0205   |                | Single SBB only   |
| ALCH03            | HELGA-5005 (Top Mount)         | Omnipless/Chelton Inc/Cobham                 | 4     | Single       | Antenna Assessment Particular   | HW Part Number | AAP002 for improved blocking performance  |
|                   |                                |  |       |              | AAP001  | 405005-00000   |   |
|                   |                                |  |       |              | AAP002  | 405005-00001   |   |



|               |                                  |                             |           |                               |   |   |
|---------------|----------------------------------|-----------------------------|-----------|-------------------------------|---|---|
| <b>AHCM01</b> | <b>CMA-2102SB</b><br>(Top Mount) | CMC Electronics Inc         | <b>6</b>  | <b>Multi</b>                  | CMC: 100-602198-003   | 11 <sup>th</sup> Order IM Compliant ARINC 741, Phased Array         |
| <b>AHCM02</b> | <b>CMA-2102 &amp; 2102LW</b>     | CMC Electronics Inc         | <b>6</b>  | <b>Single</b>                 | CMC: 100-602198-001<br>LW Version: 100-602198-002   | Single SBB or Classic only. ARINC 741, Phased Array                 |
| <b>AICM01</b> | <b>SatLite</b><br>(Top Mount)    | CMC Electronics Inc         | <b>7</b>  | <b>Single</b>                 | CMC: 100-602546-VAR   | Single SBB or Classic only. ARINC 741/781, Phased Array             |
| <b>AICM02</b> | <b>CMA-2200SB</b><br>(Top Mount) | CMC Electronics Inc         | <b>7</b>  | <b>Single</b>                 | CMC: 100-602620-000   | Single SBB or Classic only. ARINC 781, Phased Array                 |
| <b>AICM03</b> | <b>CMA-2200SB</b><br>(Top Mount) | CMC Electronics Inc         | <b>7</b>  | <b>Multi</b>                  | CMC: 100-602620-001   | 9 <sup>th</sup> Order IM Compliant ARINC 781, Phased Array          |
| <b>AHES01</b> | <b>AMT-3800</b><br>(Top Mount)   | EMS Technologies Canada Ltd | <b>6</b>  | <b>Multi</b>                  | EMS: 1242-A-0010-xx   | 9 <sup>th</sup> Order IM Compliant ARINC 781, Phased Array          |
| <b>AHES02</b> | <b>AMT-50</b><br>(Tail Mount)    | EMS Technologies Canada Ltd | <b>6</b>  | <b>Multi</b>                  | EMS: 0476-A-00377   | 9 <sup>th</sup> Order IM Compliant. ARINC 741, Mechanically Steered |
| <b>AHES03</b> | <b>AMT-700</b><br>(Tail Mount)   | EMS Technologies Canada Ltd | <b>6</b>  | <b>Multi</b>                  | EMS: 1428-A-0010-02 EMS: 1428-A-1010-02   | 9 <sup>th</sup> Order IM Compliant. ARINC 781, Mechanically Steered |
| <b>AIES01</b> | <b>AMT-3500</b><br>(Top Mount)   | EMS Technologies Canada Ltd | <b>7</b>  | <b>Multi</b>                  | EMS: 1242-A-2010-xx<br>Rockwell: 1242-A-2110-xx EMS: 1242-A-2210-xx<br>Thales: 1242-A-2310-xx | 9 <sup>th</sup> Order IM Compliant ARINC 781, Phased Array          |
| <b>AIES02</b> | <b>AMT-1800</b><br>(Top Mount)   | EMS Technologies Canada Ltd | <b>7</b>  | <b>Multi (Max 2 channels)</b> | EMS P/N: 1242-A-7010-xxx.   | 11 <sup>th</sup> Order IM Compliant                                 |
| <b>ALAA01</b> | <b>AT1675-180</b><br>(Top Mount) | AeroAntenna Technology Inc  | <b>15</b> | <b>Single</b>                 | AeroAntenna: AT1675-180 Honeywell/EMS: SCD-90402050   | Single SBB only, Passive  |
| <b>ALAA02</b> | <b>AT1595-13</b>                 | AeroAntenna Technology Inc  | <b>15</b> | <b>Single</b>                 | AeroAntenna: AT1595-13 Honeywell/EMS: SCD-90402358  | Single SBB only, omni-active  |

**Note 1:** The minimum SBB IM compliance is the 19<sup>th</sup> Order for ‘older’ antennas e.g. 741 and 9<sup>th</sup> order SBB IM for ‘all newer’ antennas e.g. 781.

**Note 2:** In the phrase “Single SBB or Classic only” the word ‘or’ is interpreted as ‘an exclusive option’, meaning that the systems are not permitted to be operated simultaneously.



## 6. SWIFTBROADBAND: TEST ANTENNA DETAILS

| ASSESSMENT NUMBER: | MODEL NAME (MOUNTING): | MANUFACTURER | CLASS: | SINGLE/MULTI | PART NUMBER:               | RESTRICTIONS/COMMENTS:   |
|--------------------|------------------------|--------------|--------|--------------|----------------------------|--|
| AHRL01             | Helix                  | Racal        | 6      | Test*        | PN: 1616-000               | Static Test Usage only. (12dBi)  |
| AHSV01             | 9227-810               | Seavey       | 6      | Test*        | Part No: 1152-A-0450 (EMS) | Static Test Usage only. (16dBi) <i>A Mandatory 4dB Attenuation is required to compensate for the excess in gain.</i> |

\* PIM requirement not proven.

\* The nominal SBB Class 6 Transmit Power is 20dBW (using a 12dBi Antenna Gain) and a typical Receive C/No of 64dB/Hz.

Note: Care should be exercised in matching non-standard SBB configurations, as any SBB Avionics not operated with respect to the nominal/typical operating range (for both the transmit and receive capabilities) will result in unrealistic/unrepeatable data being obtained compared to the normal operation.

**Note: See the last page of this document for details upon the Antenna Assessment process performed by DFL in Ottawa & the potential IM impact.**

## 7. SWIFTBROADBAND: DLNA ASSESSMENT DETAILS

| ASSESSMENT NUMBER                               | MODEL NAME | MANUFACTURER  | TYPE                           | PART NUMBER/RESTRICTIONS/COMMENTS:   |   |
|---|------------|---|--------------------------------|--|---|
| DTACH01<br>28 <sup>th</sup> May 08              | DAU-7060   | Omnipless/Chelton Inc /Cobham<br>Rockwell Collins   | ARINC- 741                     | <ul style="list-style-type: none"> <li>677-A0179</li> <li>804-10-0017</li> </ul>   | Requires a 3 <sup>rd</sup> Order Intermod from the Avionics of <b>-38.7dBc</b> for multi-channel usage.<br><br>* Assessed by Inmarsat as achieving the Frequency Band as a Modified Type A. |
|   |            | Omnipless/Chelton Inc/Cobham  | Type A*                        | <ul style="list-style-type: none"> <li>866-5013-010R</li> <li>866-5013-101</li> </ul>  |   |
| DTACH02<br>29 <sup>th</sup> May 09              | DAU-7050   | Omnipless/Chelton Inc /Cobham   | ARINC- 741<br>Type A*          | Requires a 3 <sup>rd</sup> Order Intermod from the Avionics of -38.7dBc for multi-channel usage.   | * Assessed by Inmarsat as achieving the Frequency Band as a Modified Type A.  |
| DTACH03   | HLD-7260   | Omnipless/Chelton Inc/Cobham  | Type A*                        | <ul style="list-style-type: none"> <li>677-A0187 original</li> <li>677-A0169</li> </ul>  | <b>Single-Channel</b> Operation only. (HPA/LNA/Diplexer Module)   |
| DTAES01<br>28 <sup>th</sup> May 08              |            | EMS Technologies Canada Ltd<br>(ComDev Cambridge<br>Manufactured only)  | ARINC- 741<br>Type A*          | <ul style="list-style-type: none"> <li>0476-A-00364</li> </ul> Requires a 3 <sup>rd</sup> Order Intermod from the Avionics of -38.7dBc for multi-channel.  | * Assessed by Inmarsat as achieving the Frequency Band as a Modified Type A.  |
| DTFCD01<br>7 <sup>th</sup> July 08<br>(DTFCM01) |            | COM DEV International Ltd<br>(Part Number: 173628-101)<br><br>Aka DAU-7070<br><br>* Previously known as DTFCM01 | ARINC- 781<br>(Sup2) Type F    | Ball: 2292643-500<br>CMC: 100-602200-004<br>EMS: 1242-A-0006, 1242-F-0006<br>Omnipless/Chelton Ic/Cobham: 677-A0193 or 804-10-0025 or 5044-89-99<br>Thales: 82161B30<br>Thrane & Thrane: 504013A | Requires a 3 <sup>rd</sup> Order Intermod from the Avionics of <b>-29.6dBc</b> for multi-channel.   |
| DMACD01   |            | COM DEV International Ltd   | ARINC-761<br>Modified Type 'A' | <ul style="list-style-type: none"> <li>156309-101</li> </ul> CMC: 100-602200-002 EMS: 1242-A-0005<br>Omnipless: 651-A0018 Chelton: 804-10-0011   | Requires a 3 <sup>rd</sup> Order Intermod from the Avionics of <b>-38.7dBc</b> for multi-channel.   |



|  |                 |                                    |                                    |   |   |
|--|-----------------|------------------------------------|------------------------------------|---|---|
| <p><b>DTSTT01</b><br/>27<sup>th</sup> Nov 08</p> | <p>TT-5016A</p> | <p>Thrane &amp; Thrane A/S</p>     | <p>Inmarsat SBB-SDM compliant.</p> | <ul style="list-style-type: none"> <li>• 405016A</li> <li>• 405016A-THD</li> </ul>                                  | <p>Single-Channel Operation only.<br/>(HPA/LNA/Diplexer Module)</p> |
| <p><b>DTSES01</b></p>                            | <p>IPLD</p>     | <p>EMS Technologies Canada Ltd</p> | <p>Inmarsat SBB-SDM compliant.</p> | <ul style="list-style-type: none"> <li>• CP Card PN: 1541-A-2100</li> <li>• Top Assembly PN: 1541-A-2000</li> </ul> | <p>Single-Channel Operation only.<br/>(HPA/LNA/Diplexer Module)</p> |

## 8. SWIFTBROADBAND: AVIONICS ASSESSMENT DETAILS

Class 6: PS=Background & Streaming Class Services, CS=Voice & ISDN (UDI, 3.1kHz etc) Services.

Class 7: PS=Background & Streaming Class Services, CS=Voice. Note: ISDN is supported by the UT, but not commercially supported by Inmarsat.

| ASSESSMENT NUMBER                          | MODEL NAME  | MANUFACTURER                         | CLASS    | SINGLE/MULTI             | PART NUMBER  | RESTRICTIONS/COMMENTS  |
|--|---|--------------------------------------|----------|--------------------------|--|--|
| <b>B6CH01</b><br>27 <sup>th</sup> May 2009 | <b>SDU-7320 or SDU-7330</b><br>(7320 = 2MCU)<br>(7330 = 3MCU) | Omnipless<br>/Chelton Inc<br>/Cobham | <b>6</b> | <b>Multi</b><br>PS & CS  | SDU: 677-A0188-002<br>SDU: 677-A0183-002<br>(001 for Single-Channel)<br>HPA-7400: 677-A0169<br>HPA-7450: 677-A0198 | Config: SBB<br><br>Config Module: 780-A0619 HPA-7400 (-29.5dBC) HPA-7450 (-38.7dBC)  |
| <b>B6CH02</b><br>26 <sup>th</sup> Nov 2010 | <b>SDU-7315</b>   | Omnipless/Chelton<br>Inc/Cobham      | <b>6</b> | <b>Single</b><br>PS & CS | SDU: 677-A0201-001<br>HPA-7400: 677-A0169<br><br>Config Mod: 654-A0395   | Config: SBB  |
| <b>B6CH03</b><br>23 <sup>rd</sup> Feb 2012 | <b>SDU-7330- 004</b><br>(4 channel SBB)                       | Omnipless/Chelton<br>Inc/Cobham      | <b>6</b> | <b>Multi</b><br>PS & CS  | SDU: 677-A0188-004 HPA-7450:<br>677-A0198 SCM: 780-A0619   | Config: SBB only<br>(2x streaming channels max)  |
| <b>B7CH01</b><br>26 <sup>th</sup> Aug 2009 | <b>SDU-7320 or SDU-7330</b><br>(7320 = 2MCU)<br>(7330 = 3MCU) | Omnipless<br>/Chelton Inc<br>/Cobham | <b>7</b> | <b>Multi</b><br>PS & CS  | SDU: 677-A0188-001<br>SDU: 677-A0183-001<br>(001 for Single-Channel)<br>HPA-7400: 677-A0169<br>HPA-7450: 677-A0198 | Config: SBB<br><br>Config Module: 780-A0619 HPA-7400 (-29.5dBC)<br>HPA-7450 (-38.7dBC)   |
| <b>B7CH02</b><br>26 <sup>th</sup> Nov 2010 | <b>SDU-7315</b>   | Omnipless<br>/Chelton Inc<br>/Cobham | <b>7</b> | <b>Single</b><br>PS & CS | SDU: 677-A0201-001<br>HPA-7400: 677-A0169<br><br>Config Mod: 654-A0395   | Config: SBB  |
| <b>B7CH03</b><br>29 <sup>th</sup> May 2012 | <b>SDU-7330- 004</b><br>(4 channel SBB)                       | Omnipless/Chelton<br>Inc/Cobham      | <b>7</b> | <b>Multi</b><br>PS & CS  | SDU: 677-A0188-004<br>HPA-7450: 677-A0198<br>SCM: 780-A0619  | Config: SBB only<br>(2x streaming channels max)  |
| <b>B6ES02</b><br>28 <sup>th</sup> May 2008 | <b>HSD-400i</b>   | EMS Technologies<br>Canada Ltd       | <b>6</b> | <b>Multi</b><br>PS & CS  | 1252-A-3520<br><br>1252-A-3500 (single)  | Three Waivers Granted. Config: SBB<br><br>For class 6H, 6-2, six Waiver Granted (B6ES02_AAP002) on 13 <sup>th</sup> June 2018. |





| ASSESSMENT NUMBER   | MODEL NAME  | MANUFACTURER                | CLASS     | SINGLE/MULTI             | PART NUMBER  | RESTRICTIONS/COMMENTS   |
|---|---|-----------------------------|-----------|--------------------------|--|---|
| <b>B6ES03</b><br>27 <sup>th</sup> Apr 2008  | <b>HSD-400</b>  | EMS Technologies Canada Ltd | <b>6</b>  | <b>Multi</b><br>PS & CS  | 1252-A-3105<br>1252-A-3205 (single)  | Three Waivers Granted. Config: SBB  |
| <b>B6ES04</b><br>28 <sup>th</sup> May 2008<br>29 <sup>th</sup> Oct 2010<br>TAP002 (HDR:<br>13 <sup>th</sup> Dec 2016) | HSD-440   | EMS Technologies Canada Ltd | <b>6</b>  | <b>Multi</b><br>PS & CS  | Mk1: 1252-A-3420-xx<br>Mk2: 1252-A-3820-xx<br>(Mk2: 2*C Channel)   | Two Waivers Granted. Config:<br>SBB + Classic or Swift64 + Classic<br><br>TAP002: HDR 4 waivers |
| <b>B6ES05</b><br>29 <sup>th</sup> Feb 2012  | <b>HSD-400i HSD-Xi (x2)</b> (Internal PA) (4x SBB)            | EMS Technologies Canada Ltd | <b>6</b>  | <b>Multi</b><br>PS & CS  | HSD400i: 1252-A-3520-02<br>HSD-Xi: 1252-A-4100-01<br>SCM: 1110-A-0688                                      | Three Waivers Granted.<br>Config: SBB<br>4x SBB   |
| <b>B6ES06</b><br>12 <sup>th</sup> Dec 2008  | <b>HSD- Xss1 (HDU-200)</b>                                    | EMS Technologies Canada Ltd | <b>6</b>  | <b>Single</b><br>PS & CS | SDU: 1541-A-3000-01<br>IPLD: 1541-A-2000   | Single-Channel only.  |
| <b>B6ES07</b><br>1 <sup>st</sup> Dec 2016   | <b>HSD-440 (B6ES04) HSD-Xi (x2)</b><br>(Internal PA) (4x SBB) | EMS Technologies Canada Ltd | <b>6</b>  | <b>Multi</b><br>PS & CS  | HSD440: 1252-A-3420- 02<br>-<br>03<br>-<br>04<br>-<br>07<br><br>HSD-Xi: 1252-A-4100-01<br>SCM: 1110-A-0688 | Four Waivers Granted. Config: SBB<br>4x SBB   |
| <b>B7ES01</b><br>12 <sup>th</sup> Dec 2008  | <b>HSD- 400i</b>  | EMS Technologies Canada Ltd | <b>7</b>  | <b>Single</b><br>PS & CS | 1252-A-3520-02<br>1252-A-3520-03   | Single-Channel only.  |
| <b>B7ES02</b>   | <b>HSD- Xss1 (HDU-200)</b>                                    | EMS Technologies Canada Ltd | <b>7</b>  | <b>Single</b><br>PS & CS | SDU: 1541-A-3000-01 IPLD:<br>1541-A-2000   | Single-Channel only.  |
| <b>B15ES01</b><br>12 <sup>th</sup> Dec 08   | <b>HSD- Xss1 (HDU-200)</b>                                    | EMS Technologies Canada Ltd | <b>15</b> | <b>Single</b><br>PS & CS | SDU: 1541-A-3000-01<br>AeroWave100 P/N: 90402045<br>IPLD: 1541-A-2000                                      | Single-Channel only.  |



| ASSESSMENT NUMBER  | MODEL NAME                        | MANUFACTURER                               | CLASS    | SINGLE/MULTI            | PART NUMBER   | RESTRICTIONS/COMMENTS   |
|--|-----------------------------------|--|----------|-------------------------|---|---|
| <b>B6HW01</b><br>5 <sup>th</sup> Aug 2008<br>29 <sup>th</sup> Oct 2010<br>TAP002 (HDR:<br>13 <sup>th</sup> Dec 2016) | <b>HD-710</b><br><br>"Standalone" | Honeywell<br>Aerospace                     | <b>6</b> | <b>Multi</b><br>PS & CS | Ph3:1252-A-3700-xx<br>Ph4:1252-A-3800-xx<br>(Ph4: 2*C Channel)  | Two Waivers Granted.<br>Config: SBB + Classic or Swift64+Classic<br>TAP002: 4 waivers                                       |
| <b>B6HW02</b><br>5 <sup>th</sup> Aug 2008  | <b>HD-710</b><br><br>"Combined"   | Honeywell<br>Aerospace                     | <b>6</b> | <b>Multi</b><br>PS & CS | 1252-A-3600   | Two Waivers Granted.<br>Config: SBB + Classic or Swift64 + Classic<br>Overpower Protection Pending                          |
| <b>B6HW03</b><br>6 <sup>th</sup> Mar 2009<br>10 <sup>th</sup> Sep 2010   | <b>MCS-7200</b>                   | Honeywell<br>Aerospace/ Thales<br>Avionics | <b>6</b> | <b>Multi</b><br>PS & CS | SDU: 7516118-<br>-27135, -27145, -27150, -24151,<br>27151, -24145, -27145, -47145, -<br>47151, -77010, -77135, -77145<br>HSU: 7520061-340 15,16,17<br>SVN: 9<br>1252-A-1202 (EMS)<br>HP-720: 7520000-20140        | Config:<br>SBB + Classic or Swift64 + Classic<br>HDM:7520033-901<br>HPA: 7520000-20140                                      |
| <b>B6HW04</b>  | <b>Aspire 400</b>                 | Honeywell<br>Aerospace                     | <b>6</b> | <b>Multi</b><br>PS & CS | <u>Boeing Specific Part#:</u><br>SDU: 90402651-000<br>HPA: 90404514-000<br>SCM : 90402652-000<br>SDU : 90402651-000<br><u>Core Product Par# : #</u><br>SDU :90402651-001<br>HPA :90404514-001<br>SCM:90402652-001 | Config: SBB (PIESD)+SB-S 2.0<br>AAP002: HDR<br>AAP003: SB-S 2.0 (CS+PS Voice, AISD, ACARS)<br>AAP004: SB-S 2.0 (HDR, ACARS) |
| <b>B7HW01</b>  | <b>Aspire 400</b>                 | Honeywell<br>Aerospace                     | <b>7</b> | <b>Multi</b><br>PS & CS | <u>Boeing Specific Par#:</u><br>SDU: 90402651-000<br>HPA: 90404514-000<br>SCM: 90402652-000   | Config: SBB (PIESD)+SB-S 2.0<br>AAP002: HDR<br>AAP003: SB-S 2.0 (CS+PS Voice, AISD, ACARS)                                  |



| ASSESSMENT NUMBER                           | MODEL NAME   | MANUFACTURER        | CLASS     | SINGLE/MULTI               | PART NUMBER  | RESTRICTIONS/COMMENTS   |
|---|--|---------------------|-----------|----------------------------|--|---|
|   |  |                     |           |                            | <u>Core Product Part#:</u><br>SDU: 90402651-001<br>HPA: 90404514-001<br>SCM: 90402652-001  |   |
| <b>B15HW01</b>                              | <b>Small Satcom UAV</b>                            | Honeywell Aerospace | <b>15</b> | Single<br>PS & CS          | <u>Generic Part #:</u><br>SDU90600736<br><u>Specific Part #:</u><br>90411330-001   | For usage under RTCA/DO-160G:<br>[A2F2X]CAB[S(C)U(G)]XYXSY[BXX]B[BXX][BC]SSBXX<br>XAC<br>Note: Temperature range modified from DO-160G levels to -40 to +55°C |
| <b>B6RK01</b><br>20 <sup>th</sup> May 2009  | <b>SRT-2100B (HST-2110B) (HCM-2100B)</b>           | Rockwell Collins    | <b>6</b>  | <b>Multi</b><br>PS & Voice | SRT: 822-1785-001 (For Non B787),<br>822-1785-401,<br>822-1785-003 (For B787)<br>HS:822-2232-020/010<br>(For Non-Airbus)<br>HS: 822-2032-040 (For Airbus)<br>HC:822-2248-001 | Three Waivers Granted Config:<br>SBB + Classic or Swift64 + Classic   |
| <b>B6RK02</b><br>2 <sup>nd</sup> Dec 2009   | <b>SAT-906B (SDU-906) (HST-2110B)</b>              | Rockwell Collins    | <b>6</b>  | <b>Multi</b><br>PS & Voice | SDU 906: 822-0314-102<br>RFU 900: 622-8849-100<br>HST-2110B: 822-2232-020<br>HPA-901B: 822-2577-001<br>HCM-2100B: 822-2248-001   | Three Waivers Granted Config:<br>SBB + Classic or Swift64 + Classic   |
| <b>B6RK03</b><br>16 <sup>th</sup> June 2011 | <b>SAT-22000 (SDU-2200) (FMPA-2200) (SCM-2200)</b> | Rockwell Collins    | <b>6</b>  | <b>Multi</b><br>PS & Voice | SDU: 822-2556-101<br>FMPA: 822-2557-101<br>SCM: 822-2558-101<br>SDU: 822-2556-102  | 4 Waivers Granted Config: SBB + Classic   |



| ASSESSMENT NUMBER                          | MODEL NAME   | MANUFACTURER        | CLASS    | SINGLE/MULTI               | PART NUMBER   | RESTRICTIONS/COMMENTS                         |
|--|--|---------------------|----------|----------------------------|---|---|
| <b>B6RK04</b><br>9 <sup>th</sup> Feb 2012  | <b>(SDU-2200)</b><br><b>(SCM-2200)</b><br>(Internal PA)                    | Rockwell Collins    | <b>6</b> | <b>Multi</b><br>PS & Voice | SDU: 822-2556-102<br>SDU: 822-2558-101  | 4 Waivers granted Config: SBB + Classic       |
| <b>B6RK05 (TBD)</b>                        | <b>SAT-2200A</b><br><b>HPA-2200</b>  | Rockwell Collins    | <b>6</b> | <b>Multi</b><br>PS & Voice | SDU: 822-2909-050<br>HPA: 822-2910-050<br>SCM: 822-2558-050                     | TBD   |
| <b>B6RK06 (TBD)</b>                        | <b>SAT-2200-2</b><br><b>SDU-2200-2</b><br>Internal PA<br><b>SCM-2200-2</b> | Rockwell Collins    | <b>6</b> | <b>Multi</b><br>PS & Voice | SDU: 822-3009-100<br>HPA: Internal 32W PA<br>SCM: 822-2558-001,<br>822-2558-201 | SBB + Classic or Swift64 + Classic            |
| <b>B6RK07</b>                              | <b>SAT-2200B</b><br>Internal 40W PA  | Rockwell Collins    | <b>6</b> | <b>Multi</b><br>PS & Voice | SDU: 822-3057-101<br>SCM: 822-3091-101  | Config:<br>2xSBB + Classic Data/Voice         |
| <b>B6TH01</b><br>29 <sup>th</sup> May 2009 | <b>TopFlight</b>   | Thales Avionics Ltd | <b>6</b> | <b>Multi</b><br>PS & Voice | SDU: 82155D32 or D33<br>or D34<br>SCM: 82158A30 or A31<br>FMPA: 82166A30-000    | Config:<br>SBB + SBB or SBB + Classic         |
| <b>B6TH02</b><br>23 <sup>rd</sup> Feb 2012 | <b>TopFlight</b>   | Thales Avionics Ltd | <b>6</b> | <b>Multi</b><br>PS & Voice | SDU: 82155D32 or D33<br>or D34<br>SCM: 82158A30 or A31<br>(internal PA)         | Config:<br>SBB + SBB or SBB + Classic         |
| <b>B7TH01</b><br>30 <sup>th</sup> Jan 2009 | <b>TopFlight</b>   | Thales Avionics Ltd | <b>7</b> | <b>Single</b><br>PS only   | SDU: 82155A31<br>SCM: 82158A30  | Single-Channel only. Config: SBB              |
| <b>B7TH02</b><br>7 <sup>th</sup> June 2012 | <b>TopFlight</b>   | Thales Avionics Ltd | <b>7</b> | <b>Multi</b><br>PS & Voice | SDU: 82155D32 or D33<br>SCM: 82158A30 or A31<br>(internal PA)                   | Config:<br>SBB + SBB or SBB + Classic         |
| <b>B6TT01</b><br>5 <sup>th</sup> May 2009  | <b>Aviator 350/350D</b>  | Thrane & Thrane     | <b>6</b> | <b>Multi</b><br>PS & CS    | SBU: 405040A/405040A-THD  | Config:<br>SBB + Classic or Swift64 + Classic |



| ASSESSMENT NUMBER                            | MODEL NAME              | MANUFACTURER    | CLASS     | SINGLE/MULTI             | PART NUMBER  | RESTRICTIONS/COMMENTS  |
|--|-------------------------|-----------------|-----------|--------------------------|--|--|
|  |                         |                 |           |                          | CM: 405040A-001<br>HLD:405016A/405016A-THD   | HLD Module = HPA, LNA, Diplexer<br>TAP002: SBB Oceanic Safety ACARS Data Service<br>TAP003: SBB Oceanic Safety CS ICAO Voice                                     |
| <b>B6TT02</b><br>27 <sup>th</sup> March 2012 | <b>Aviator 700/700D</b> | Thrane & Thrane | <b>6</b>  | <b>Multi</b><br>PS & CS  | SBU: 405040A/405040A-THD<br>SDU: 405035A/405035A-THD<br>HPA: 405014A/405014A-THD<br>CM: 405035A-001 (SDU)<br>405040A-001 (SBU)                 | Config:<br>SBB + Classic or Swift64 + Classic  |
| <b>B6TT03</b><br>16 <sup>th</sup> Sept 2022  | <b>Aviator 700S</b>     | Thrane & Thrane | <b>6</b>  | <b>Multi</b><br>PS       | SDU:<br>SDU-5045:405045- 01000 (822-3418-xx1)<br>MCHPA: HPA-5015: 405015-01000 (822-3417-xx1)<br><br>SCM:SCM-5055: 405055-01000 (822-3419-xx1) | SBB+SB-S 2.0 (ACARS)<br>Single PS Voice<br>TAP002: HDR<br>TAP003: ACARS  |
| <b>B7TT01</b><br>27 <sup>th</sup> Nov 2008   | <b>Aviator 300/300D</b> | Thrane & Thrane | <b>7</b>  | <b>Single</b><br>PS & CS | SBU: 405040A/405040A-THD<br>CM: 405040A-001<br>HLD: 405016A/405016A-THD  | Single-Channel only. Config: SBB<br>HLD Module = HPA, LNA, Diplexer<br>TAP002: SBB Oceanic Safety ACARS Data Service<br>TAP003: SBB Oceanic Safety CS ICAO Voice |
| <b>B15TT01</b><br>18 <sup>th</sup> Oct 10    | <b>Aviator 200/200D</b> | Thrane & Thrane | <b>15</b> | <b>Single</b><br>PS & CS | SBU: 405040A/405040A-THD<br>CM: 405040A-001<br>HLD: 405016A/405016A-THD  | Single-Channel only. Config: SBB<br><br>HLD Module = HPA, LNA, Diplexer  |



| ASSESSMENT NUMBER  | MODEL NAME                    | MANUFACTURER    | CLASS      | SINGLE/MULTI                                | PART NUMBER   | RESTRICTIONS/COMMENTS |          |              |                               |              |                               |          |          |              |                     |              |                   |   |
|--|-------------------------------|-----------------|------------|---|---|-----------------------|----------|--------------|-------------------------------|--------------|-------------------------------|----------|----------|--------------|---------------------|--------------|-------------------|---|
| <b>B4TT02</b><br>8 <sup>th</sup> April 2020<br>Revised:28 <sup>th</sup> Jan 2022 | <b>Aviator 200s</b>           | Thrane & Thrane | <b>4</b>   | <b>Single</b><br>PS, CS<br>and SB- S<br>2.0 | <b>SDU-5045</b><br><table border="1"> <thead> <tr> <th>HW Part#</th> <th>SW Part#</th> </tr> </thead> <tbody> <tr> <td>405045-00001</td> <td>SVN:01<br/>CSC5045<br/>03000001</td> </tr> <tr> <td>405045-02000</td> <td>SVN:02<br/>CSC53-<br/>4523-0000</td> </tr> </tbody> </table> <b>SCM-5055</b><br>HW Part#:<br>405055-00000, 405055-02000<br><b>LGA-5005</b><br><table border="1"> <thead> <tr> <th>HW Part#</th> <th>SW Part#</th> </tr> </thead> <tbody> <tr> <td>405045-00000</td> <td>CSC5645<br/>05000001</td> </tr> <tr> <td>405005-02000</td> <td>CSC5545<br/>250000</td> </tr> </tbody> </table> | HW Part#              | SW Part# | 405045-00001 | SVN:01<br>CSC5045<br>03000001 | 405045-02000 | SVN:02<br>CSC53-<br>4523-0000 | HW Part# | SW Part# | 405045-00000 | CSC5645<br>05000001 | 405005-02000 | CSC5545<br>250000 | Single-Channel SB-S 2.0.<br>Active ELGA |
| HW Part#   | SW Part#                      |                 |            |   |   |                       |          |              |                               |              |                               |          |          |              |                     |              |                   |   |
| 405045-00001   | SVN:01<br>CSC5045<br>03000001 |                 |            |   |   |                       |          |              |                               |              |                               |          |          |              |                     |              |                   |   |
| 405045-02000   | SVN:02<br>CSC53-<br>4523-0000 |                 |            |   |   |                       |          |              |                               |              |                               |          |          |              |                     |              |                   |   |
| HW Part#   | SW Part#                      |                 |            |   |   |                       |          |              |                               |              |                               |          |          |              |                     |              |                   |   |
| 405045-00000   | CSC5645<br>05000001           |                 |            |   |   |                       |          |              |                               |              |                               |          |          |              |                     |              |                   |   |
| 405005-02000   | CSC5545<br>250000             |                 |            |   |   |                       |          |              |                               |              |                               |          |          |              |                     |              |                   |   |
| <b>B4GN01</b>  | <b>Velaris 200</b>            | <b>Gotonomi</b> | <b>4-2</b> | <b>Single</b><br>PS, CS and<br>SB-S2.0      | PN: 77001-1001  | Integrated unit       |          |              |                               |              |                               |          |          |              |                     |              |                   |   |

### 9. ANTENNA ASSESSMENT INFORMATION:

**What does the Aeronautical Antenna Assessment Coverage mean?**

The AES shall simultaneously satisfy the antenna gain, axial ratio and discrimination at different solid angles, over a minimum fraction (HGA: 75% and IGA: 85%) of the Upper Hemisphere, (see coverage volume diagram below), excluding the lowest 5° above the horizon.

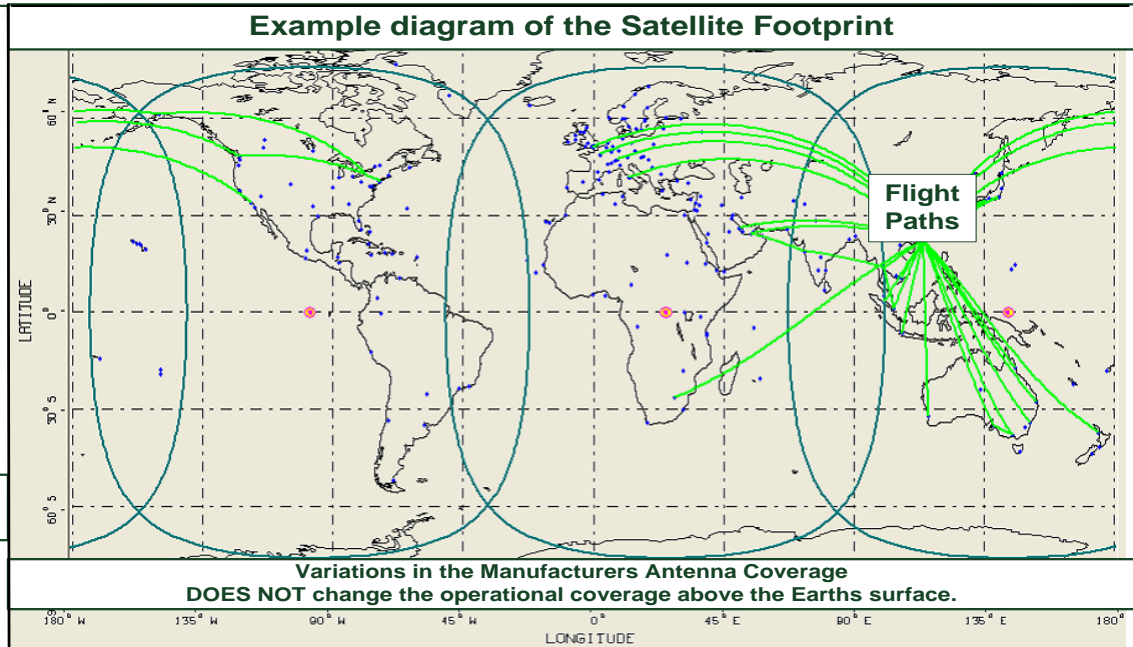
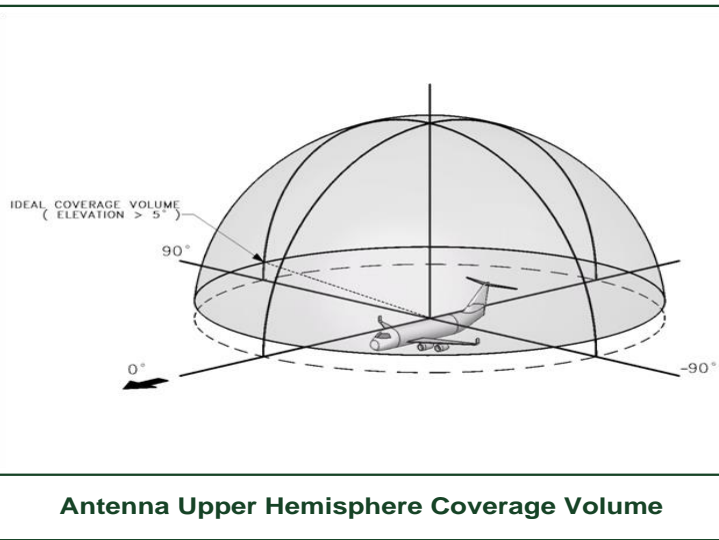
The tests are carried out on a 2 x 2 equi-spaced grid – that is at elevation & azimuth spacing of 2°, which gives in excess of 4000 test points. The tests are performed as a minimum using the lowest, highest and central frequency in each of the transmit and receive bands (e.g. 1626.5, 1643.5, 1660.5 MHz & 1525, 1542, 1559 MHz).

The issuing of an Antenna Assessment Certificate by Inmarsat endorses the Antenna as having satisfied/ surpassed the conditions identified above.

Note: The variations in antenna coverage volumes does not effect the geographical operation above the Earths surface. The higher the coverage volume achieved, the greater the operational coverage where the optimum QoS is maintained.

**What does the Inter-modulation (IM) Order Mean? e.g. 7<sup>th</sup>, 11<sup>th</sup>,15<sup>th</sup>, Order.**

The lower the order e.g. 7<sup>th</sup>, the less susceptible the antenna is, to suffering a reduced Quality of Service when transmitting multiple carriers.



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## 10. CHANGE HISTORY

| Date       | Details  |
|------------|--|
| 10.04.2025 | Added New Manufacturer - Gotonomi  |
| 10.04.2025 | Added recent type approvals with their details in section 2 and 4. <ul style="list-style-type: none"><li>a. S6HW26 TAP 001</li><li>b. S6HW27 TAP 001</li><li>c. S7HW03</li><li>d. S15HW01 TAP 002</li><li>e. S15HW02</li><li>f. S4TT01 004, 005, 006</li><li>g. S4GN01 TAP 001</li></ul> |
| 10.04.2025 | Corrections made to the following sections according to the latest info available: <ul style="list-style-type: none"><li>a. S6RK15</li><li>b. S4TT01</li><li>c. ALCH02</li><li>d. S15ES01</li><li>e. S7ES03</li></ul>  |