

## Approved Equipment

1. The equipment combinations listed in Schedules 1 and 2 are not exhaustive and other equipment combinations will be added from time to time.
2. The transponder combinations have been found acceptable in accordance with the standards and guidelines set out in AC 21.45( ) and CAO 20.18.
3. Aviation Communication & Surveillance Systems (ACSS) XS-950 transponders are not acceptable unless software modification A is incorporated
4. GNSS receivers are included as interoperability of transponder and data source are critical to transmission of ADS-B messages fit for purpose. The GNSS receivers listed here have not been assessed by CASA for equivalency to TSO-C145a or TSO-C146a performance.
5. Where the transponder is not connected to the GPS/MMR the combination is “acceptable” but will not provide the data necessary to receive air traffic services based on ADS-B.
6. Alternate part numbers or different software modifications cannot be assumed to be acceptable and will require assessment by CASA.

**Schedule 1****ATC Transponder and MMR/GPS Receiver Combinations  
from Multiple Manufacturers**

<b>Transponder Manufacture and Model</b>	<b>Transponder Part Number</b>	<b>MMR/GPS Receiver Manufacturer and Model</b>	<b>MMR/GPS Receiver Part Number</b>
ACSS XS-950 (with software mod A)	7517800-10005	Honeywell GR-550	HG2021GA03
			HG2021GC02
		Honeywell RMA-55B	066-50029-1161
		Rockwell Collins GLU-920	822-1152-001
			822-1152-002
			822-1152-121
			822-1152-130
		7517800-10007	822-1152-131
	822-1152-220		
	Rockwell Collins GLU-920		822-1152-001
			822-1152-002
			822-1152-121
		822-1152-130	
	Rockwell Collins GLU-925	822-1152-220	
	7517800-10009	822-1821-001	
		Rockwell Collins GLU-920	822-1152-001
822-1152-002			
822-1152-121			
822-1152-130			
	822-1152-220		

<b>Transponder Manufacture and Model</b>	<b>Transponder Part Number</b>	<b>MMR/GPS Receiver Manufacturer and Model</b>	<b>MMR/GPS Receiver Part Number</b>
ACSS XS-950 (with software mod A)	7517800-11006	Honeywell GR-550	HG2021GC02
		Honeywell RMA-55B	066-50029-1201
		Rockwell Collins GLU-920	822-1152-002
		Rockwell Collins GLU-925	822-1821-001
	7517800-11009	Honeywell GR-550	HG2021GC01
			HG2021GC02
		Honeywell RMA-55B	066-50029-1201
		Rockwell Collins GLU-920	822-1152-001
		Rockwell Collins GLU-925	822-1152-002
		Rockwell Collins GLU-925	822-1821-001
Honeywell TRA-67A	066-01127-1301	Honeywell GR-550	HG2021GP01
		Rockwell Collins GLU-920	822-1152-002
	066-01127-1402	Honeywell RMA-55B	066-50029-1161
		Rockwell Collins GLU-920	822-1152-121
			822-1152-130
			822-1152-131
	Thales TLS755	TLS755-01-0101B	
		TLS755-01-0102A	
	066-01127-1601	Honeywell GR-550	HG2021GC01
		Honeywell RMA-55B	066-50029-1101
		Rockwell Collins GLU-920	822-1152-002
	066-01127-1602	Honeywell GR-550	HG2021GC01
HG2021GC02			
HG2021GP01			
Honeywell GR-551		HG2021GP02	

<b>Transponder Manufacture and Model</b>	<b>Transponder Part Number</b>	<b>MMR/GPS Receiver Manufacturer and Model</b>	<b>MMR/GPS Receiver Part Number</b>
Honeywell TRA-67A	066-01127-1602	Honeywell RMA-55B	066-50029-1101
			066-50029-1201
		Litton LTN2001Mk2	466200-0104
		Rockwell Collins GLU-920	822-1152-002
			822-1152-003
		Rockwell Collins GLU-925	822-1821-001
		Thales TLS755	TLS755-01-5101A
Honeywell KT-73	066-01164-0101	Honeywell KLN 94	069-01034-0101
			069-01034-0102
		Honeywell KLN 900	066-04034-0102
			066-04034-0104
		Honeywell KMH 820	066-01175-2101
			066-01175-2102
Honeywell ISP-80A	965-1694-001	Rockwell Collins GLU-925	822-1821-131
			822-1821-430
Honeywell XS-858A	7517401-960	CMC Electronics CMA-2024-1 (This a modular unit normally located in a higher assembly)	245-604067-100
Rockwell Collins TDR-94	622-9352-108	Rockwell Collins GPS-4000S	822-2189-001
	622-9352-409		822-2189-002
Rockwell Collins TDR-94D	622-9210-108	Honeywell GR-550	HG2021GD02
		Rockwell Collins GPS-4000S	822-2189-001

<b>Transponder Manufacture and Model</b>	<b>Transponder Part Number</b>	<b>MMR/GPS Receiver Manufacturer and Model</b>	<b>MMR/GPS Receiver Part Number</b>
Rockwell Collins TDR-94D	622-9210-409	FreeFlight Systems 1203	84327-01-0303
			84327-02-0303
		Universal Avionics Systems UNS-1Lw	3116-42-1116
Rockwell Collins TPR-901	822-1338-003	Honeywell GR-550	HG2021GC02
			HG2021GP01
		Honeywell RMA-55	066-50029-1101
		Rockwell Collins GLU-920	822-1152-002
		822-1152-005	
	Rockwell Collins GLU-925	822-1821-001	
		822-1821-330	
	822-1338-020	Rockwell Collins GLU-920	822-1152-121
	822-1338-021	Rockwell Collins GLU-920	822-1152-121
822-1152-130			

**Schedule 2****ATC Transponder and GPS Receiver Combinations Manufactured by Garmin International****Table 1 - Transponders - Panel Mounted**

<b>Model</b>	<b>Part Number</b>	<b>Notes</b>
GTX330	011-00455-60	(1) (2)
GTX330	011-00455-80	(1) (2)
GTX330D	011-00455-70	(1) (2)
GTX330D	011-00455-90	(1) (2)

**Table 2 - Transponders - G1000 Avionics Suite**

<b>Model</b>	<b>Part Number</b>	<b>Notes</b>
GTX33	011-00779-20	(1) (2)
GTX33	011-00779-30	(1) (2)
GTX33D	011-00779-21	(1) (2)

**Table 3 - GPS Receivers - GPS/NAV/COMM 400W/500W Series Equipment**

<b>Model</b>	<b>Part Number</b>	<b>Notes</b>
GNS530AW TAWS	011-01067-XX	(2) (3) (4)
GNS530AW	011-01066-XX	(2) (3) (4)
GNS530W TAWS	011-01065-XX	(2) (3) (4)
GNS530W	011-01064-XX	(2) (3) (4)
GNS500W TAWS	011-01063-XX	(2) (3) (4)
GPS500W	011-01062-XX	(2) (3) (4)
GNS430AW	011-01061-XX	(2) (3) (4)
GNS430W	011-01060-XX	(2) (3) (4)

GNC420AW	011-01059-XX	(2) (3) (4)
GNC420W	011-01058-XX	(2) (3) (4)
GPS400W	011-01057-XX	(2) (3) (4)

**Table 4 - GPS Receivers - G1000 Avionics Suite**

<b>Model</b>	<b>Part Number</b>	<b>Notes</b>
GIA 63W	011-01105-00	(2) (5) (6)
GIA 63W A2/B2	011-01105-01	(2) (5) (6)
GIA 63W	011-01105-20	(2) (5) (6)

**Notes applicable to Schedule 2 Tables:**

1. Software version 6.11 or later required (Service Bulletin 0935 refers).
2. Any transponder or GPS can be used in combination as they all support the Garmin RS-232 serial interface that allows GPS position and integrity information to be supplied to the transponder. Generally the G1000 transponders will be combined with the G1000 GPS units, similarly for the non-G1000 transponders and GPS.
3. -XX denotes any numbered suffix. All part numbers in each model range are suitable for providing GPS data that can be used for ADS-B.
4. Software version 3.20 or later required.
5. The unit part number shown in Table 4 matches the part number printed on the nameplate or tag on the equipment itself.
6. Software version 5.80 or later required.