

COMMUNICATION/NAVIGATION SYSTEMS

DESIGNATION	DESCRIPTION	APPLICATIONS	REMARKS
ACSS (L-3 Communications & Thales), Phoenix, AZ, USA			
RCZ-852	ICAO Level 3 Mode S transponder with ACAS 2 Change 7	—	On Bombardier, Embraer, Gulfstream and Raytheon regional and corporate aircraft.
XS-950	Air transport datalink (ATDL) Mode S transponder	All Airbus and Boeing transports	More than 4,000 units; 60+ operators.
XS-950S/1	Mode S datalink and IFF transponder	C-130, E-6, UC-35, VP-3	Also on Belgium air force ERJ 135/145s.
ANDREA ELECTRONICS CORP., Melville, NY, USA			
A301-1	Intercom	CH-47, UH-60	—
A301-6W/61A	Intercom	Bell 212/412, Sikorsky S-76	—
AN/AIC-18	Intercom	C-5A/B, C-130, F-5A/B, F-16, JSTARS	—
AN/AIC-25	Intercom	F-5E/F, F-16	—
C6533/ARC	Intercom	UH-60	—
ATHENA TECHNOLOGIES INC., Manassas, VA, USA			
GS-111m	Flight control system with embedded INS/GPS/air data and magnetometer	—	For hand-launched UAVs and micro air vehicles. GS-111 is ruggedized version.
GS-211	Flight control system with embedded INS/GPS/air data and magnetometer	Tactical UAVs	—
BAE SYSTEMS, Avionics, Basildon, Essex, England, UK			
AD2770	TACAN	Tornado	On UK aircraft, without Setac.
AD3500	UHF/VHF-AM/FM communications radio	Harrier GR.7	—
ARI 23315/4	V/UHF radios	Jaguar	With Magnavox.
BAE SYSTEMS, Avionics, Edinburgh, Scotland, UK			
FIN 1010	Inertial navigation system	Tornado	—
FIN 1031B	Navigation/AHRS	Harrier T.8	—
FIN 1064	Inertial navigation system	Jaguar	Retrofitted to RAF Jaguars, on some exports.
FIN 1075	Inertial navigation system	Harrier GR.5	—
LINS300	Laser inertial navigation unit	EH 101	—
LINS764G	Laser inertial navigation unit	Hawk	—
BAE SYSTEMS, BAE Systems Communication, Navigation and Identification (CNI), Wayne, NJ, USA			
AN/ARN-138	Multimode landing guidance receiver	F-14, F/A-18	—
AN/ARN-155	Precision landing system receiver	C-17	—
AN/APX-76(C)	IFF interrogator	C-130, F-14, F-15, P-3, SH-60	Over 7,000 deployed.
AN/APX-111	IFF interrogator/transponder	F/A-18C/D/E/F	FMS F/A-18s.
AN/APX-113	IFF interrogator/transponder	F-2, F-4, F-15C, F-16	FMS F-16s, Nimrod 2000, Sea King helicopter.
AN/APX-117/-118	IFF transponder	AH-64D, E-2C, OH-58, UH-60	Next generation common digital transponder (CPX) for US Army (-117) and US Navy (-118).
AN/ASN-128A/B/C	Doppler navigation system	CH-47, UH-60	B version has GPS feature.
AN/ASN-137	Doppler navigation set	AH-64, OH-58	—
AN/ASN-157	Doppler navigation set	AH-64D	—
AN/URC-107(V)	JTIDS Class 2 terminal	E-2C, E-3 AWACS, E-8, F-14D, F-15A/B, F-15C/D, F-15E	With Rockwell Collins as Data Link Solutions LLC.
AN/USQ-140	MIDS fighter datalink	F-15C/D/E	With Rockwell Collins as Data Link Solutions LLC.
OL-483/AP	IFF interrogator and relay evaluator	E-2C	—
RT-1765/USQ-140(V)(C)	MIDS low-volume terminal	EA-6B, Eurofighter, F-16, F/A-18	Multi-functional information distribution system with Data Link Solutions LLC, Enosa, Italtel, Siemens and others.
RT-1805/APN	Low probability of intercept altimeter	F/A-18	—
BAE SYSTEMS, BAE Systems Controls, Santa Monica, CA, USA			
NGS	Integrated IMU/GPS air data guidance system	F-14D, T-45A	Replacement for AN/USN-2(V) and LSI-6000.
CHUNG-SHAN INSTITUTE OF SCIENCE AND TECHNOLOGY (CSIST), Lungtan, Taoyuan, Taiwan			
INS	Inertial navigation system	Tactical missiles	—
ELISRA GROUP, Tadiran Spectralink Ltd., Holon, Israel			
ADLS	Advanced datalink	Heron, Pioneer, Searcher	For unmanned and manned systems.
AN/PRC-112D/E PSR	Personal survival radio	US/NATO compatible	—
AN/PRC-149-PLBVT	Search and rescue personal locator beacon/voice transceiver	Training missions	For fixed- and rotary-wing aircraft.

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ELISRA GROUP, Tadiran Spectralink Ltd., Holon, Israel			
AN/URT-140-ELT	Search and rescue emergency locator transmitter	Training missions	For fixed- and rotary-wing aircraft.
ARS-700G	Airborne interrogation and guidance system	Bell 212, CH-53, UH-60	For fixed- and rotary-wing aircraft. Has embedded GPS, over the horizon capability.
GAL	Guided weapons datalink, after launch	—	For man-in-the-loop, after launch lock-on.
GWDL	Guided weapons datalink	AGM-65	Also for other weapons.
ELTA SYSTEMS LTD., (Israel Aircraft Industries subsidiary), Ashdod, Israel			
ARC 740	VHF/UHF-protected communications system	F-5, F-15, F-16	—
EL/K-1850	Microwave datalink	707, C-130	Also on Hunter and Pioneer UAVs.
GENERAL DYNAMICS UNITED KINGDOM LTD., Hastings, East Sussex, England, UK			
CAMU	Communications audio management unit; audio signal routing, mixing, signal conditioning; direct voice input & warnings/output generation	Eurofighter Typhoon	—
HARRIS CORP., Government Communications Systems Div., Palm Bay, FL, USA			
AJGPS	Anti-jam GPS link	Small diameter bomb, CALCM	Also for JDAM.
FOTR	Fiber-optic transceiver	F-22	—
MIDS LVT	Multi-information distribution system low volume terminal	F-16, F/A-18	Teamed with Viasat Inc.
SLAM-ER Datalink	Communications link between aircraft and munition+BB	SLAM-ER	Boeing supplier.
TCDL	Tactical common data link	MH-60R	Wideband, interoperable, digital datalink. Also for UAVs.
HONEYWELL, Phoenix, AZ, USA			
700 Series CNI	Includes ILS, VOR, DME, ADF, radio altimeter, VHF data radio and MMR with ILS/GPS, MLS and DGPS	737, 747, 757, 767, A320, A330, A340, MD-11, MD-80/90	—
ACARS/CMU	Aircraft communications and reporting system	747, 757, A320, A340, MD-11	Terrestrial or satellite system. Also certified for other aircraft.
ADIRS	Air data inertial ref. system	—	For all commercial transports.
AFIS	Airborne flight information system	757, Citation 7, CL-604, Gulfstream 4	Terrestrial or satellite system. Also certified for other aircraft.
APN-171	Radar altimeter	CH-46, CH-53E	—
APN-194	Radar altimeter	AV-8B, F-14, SH-60, V-22	US Navy standard.
APN-209	Radar altimeter	AH-1, AH-64, UH-1, UH-60	US Army standard.
APN-222	Radar altimeter	F-5, F-111, SR-71	—
APN-224	Radar altimeter	A-10, B-1, B-52	—
BG1232	Integrated flight management unit (IFMU)	Cypher, Eagle Eye	—
FMS	Flight management system	717, 747-400, 757, 767, 777, A320, A340, MD-11, MD-80, MD-90	—
GNS-XLS	Flight management system	727, 737, BAe 146, DC-10	—
H-423	Inertial navigation system	B-52, F-117, JAS 39, SR-71, UH-60	—
H-764	Inertial navigation system (lightweight)	V-22	—
H-764G	Embedded GPS/INS	AH-1W, C-17, C-130J, F-14, F-16	Tri-services standard INS/GPS.
H-770	Inertial navigation system	F-15	—
H-796	Missile guidance set (INS/GPS)	ATACMS	ATACMS (Army tactical missile system).
HG1700	Inertial measurement unit	JDAM, WCMD	Also for standard missile.
HG2021	12-channel global nav. sat. sensor unit	737, 757, 767, A320, A340	Also on Gulfstream 4 & 5.
HG7199	Missile radar altimeter	—	Tomahawk, air-launched and advanced cruise missiles. Also for Harpoon and SLAM.
HG7505/7805	Embedded radar altimeter module	AH-1, Tomahawk	—
HG7705	Radar altimeter	JAS 39	—
HG9550	Radar altimeter	C-130J, F-16	—
KLN 89B	GPS	Cessna 182, 206, 210	Also on other aircraft.
KLN 90B	GPS	Beech Baron, Beech Bonanza, Beech King Air	Also on other aircraft.
KLN 900	GPS	727-200, CitationJet	Also on BAe 146 and Fokker F27.
KRA 405B	Radar altimeter	Beech King Air, Cessna Citation	For many turboprops.
KT 73	Mode S transponder with TIS	—	For general aviation aircraft.
LASEREF IRS	Inertial reference system	ERJ 135/145	Also on Citation 10, Gulfstream 4 & 5.
MCS-4000	4-channel satcom system	—	For all commercial transports; many business jets.
MCS-7000	7-channel satcom system	—	For all commercial transports; many business jets.
Primus 2	Integrated comm./nav. system	Citation 3/5/7/Ultra, Do 328	Also on ERJ 145, Hawker 800/1000, SJ30.
Quantum Line Avionics	Includes ILS, VOR, DME, ADF, radio altimeter, VHF data radio and MMR with ILS/GPS, MLS and DGPS	747, 757, 777, A320, A330, A340	Also on 737-600/700/800, A319 and A321. Available for 767.

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HONEYWELL, Phoenix, AZ, USA			
Silver Crown Avionics	Panel-mounted VHF comm., nav/comm., VOR/ILS, DME, ADF, transponder, marker beacon and audio system	Cessna 182, MD 900	Also certified for most piston-powered aircraft.
XK516D1	HF radio, also with datalink	737, 747, 757, 767, 777, A320, A330, A340, MD-11, MD-80/90	Teamed with Rohde & Schwarz, Munich, Germany.
INDRA SISTEMAS, Madrid, Spain			
CIT-XX Family	Combined interrogator/transponder	F-18, P-3	—
INTEGRATED DEFENSE TECHNOLOGIES, Sierra Research, Buffalo, NY, USA			
AN/APN-169C	Station-keeping equipment	C-130, C-141	On 400+ aircraft. Production ended.
AN/APN-243	SKE 2000 station-keeping equipment	C-17, C-130J	Updated SKE, interoperable with earlier versions.
AN/APN-243A	Station-keeping follow-on	A400M, C-17, C-130 AMP	Next generation SKE, 100nm range.
AN/ARN-136A	TACAN receiver	T-45	In service with US Army & Navy. Also commercial applications.
ITT INDUSTRIES, Aerospace/Communications Div., Fort Wayne, IN, USA			
AN/ARC-201D	SINCGARS radio	US aircraft	Export version is AN/ARC-201E.
KEARFOTT GUIDANCE & NAVIGATION CORP., Wayne, NJ, USA			
KI-4901	Inertial measurement unit kit	—	For airborne laser tracking (3-axis).
KI-4920	Inertial measurement unit kit	JSOW	Versatile packaging.
KN-4068GC	Ring laser gyro INS/GPS	F-4EJ, F-15J	Used as instrumentation to validate other systems.
KN-4072	Digital GPS/INS	Global Hawk	UAV navigation and guidance system.
KN-4073	Digital GPS/INS	Fire Scout	UAV navigation and guidance system.
SKH-4212	Ring laser gyro attitude motion sensor unit system (AMSS)	B-2 bomber	—
SKIRU Series	Space-qualified inertial reference unit	Milstar, Space Shuttle, TRDS-7, Voyager	Satellite pointing and navigation.
TARA	Inertial reference unit	BSAT, Quickbird, SWIFT	For commercial satellite stabilization and pointing.
NAVCOM DEFENSE ELECTRONICS INC., El Monte, CA, USA			
AN/APN-232	Combined altitude radar altimeter (CARA)	C-17, F-15E, F-16	For most USAF fixed-wing aircraft.
NORTHROP GRUMMAN CORP., Navigation Systems Div., Toronto, Ontario, Canada			
Carousel 4	Inertial navigation system	747, C-5, KC-135	—
NORTHROP GRUMMAN CORP., Navigation Systems Div., Woodland Hills, CA, USA			
AN/APN-217	Doppler radar navigation system	AH-1W, SH-60, UH-1N	—
AN/APX-101	IFF transponder	Tactical aircraft	13,000 systems in service in more than 30 countries.
AN/APX-109	IFF combined interrogator/transponder	F-16	USAF and international customers.
AN/ASN-139	Inertial navigation system	C-2A, E-2C, F-14D, F/A-18	US Navy and international customers.
AN/ASN-166	Embedded GPS/INS	T-45	For T-45 Cockpit 21.
AN/ASN-168	GPS/INS	767 AWACS	Used by Japanese Self-Defense Forces.
AN/ASN-172(V)	Embedded GPS/INS	EA-6B, F/A-18	—
AN/ASN-179	Inertial navigation system	C-130, P-3	Replacement for LTN-72 (ARINC-561).
ITAS	Integrated tactical avionics system	SH-2G(A)	Royal Australian Navy.
LN-25X Series	Embedded GPS/INS	RAH-66	—
LN-35	Inertial navigation system	ALCM, Tomahawk	USAF and USN cruise missiles.
LN-93	Inertial navigation system	A-10, C-130, F-16, MH-47	USAF and international customers.
LN-100G Series	Embedded GPS/INS unit	C-130, F-22, Tornado	Also in EH-101, Global Hawk, SH-60R.
LN-200 Series	Inertial measurement unit	AMRAAM	—
LR-80 Series	Attitude heading ref. systems	AH-64, OH-58A	—
LTN-92	Inertial navigation system	747, DC-10	Laser gyro INS.
LTN-101	Air data inertial reference system	—	For Airbus and Bombardier aircraft.
LTN-2012	GPS receiver	747	—
LTR-97	Fiber optic vertical gyro/directional gyro	727, 737, MD-80	—
LTR-97 LHAS	Fiber optic vertical gyro/directional gyro	Airbus transports	—
RAYTHEON CO., Raytheon C31, Baltimore, MD, USA			
AN/APX-100 (Mode-S)	Mk. 12/Mode S Military/civil IFF transponder	C-17, CH-47, EH 101, P-3	USAF standard for transports and VIP aircraft.
AN/APX-100 (V)	Mk. 12 Military/civil IFF transponder	AH-64, AV-8B, CH-46, T-45	US tri-service standard.
AN/APX-114	Mk. 12/Mode S/Mode 5 military IFF interrogator	F-15, P-3	Based on 6U VME open architecture design.
AN/APX-119	Mk. 12/Mode S/Mode 5 military/civil IFF transponder	C-17, C-130, E-3, F-15	Based on 3U CPCI open architecture design.

DESIGNATION	DESCRIPTION	APPLICATIONS	REMARKS
RAYTHEON CO., Raytheon Systems Co., Arlington, VA, USA			
AN/AAQ-16	Internal Flir navigation and surveillance	Special ops helos, CH-53E	A variant is planned for V-22.
AN/AAR-50	NAVFLIR podded forward-looking IR	F/A-18	Navigation aid. Operates with AN/AAS-38 targeting pod.
AN/ARC-164	UHF radio	Most USAF and NATO aircraft	Over 63,000 produced. Standard airborne radio.
AN/ARC-182	Radio	F-14	—
AN/ARC-187	UHF airborne satcom	C-27A, MC/EC-130E/H, MH-53J, MH-60K, P-3, S-3	In service with US Air Force, Army, Navy.
AN/ARC-222	VHF/SINGGARS radio	C-130J, TH/MH-53, UH-60Q	SINGGARS voice and data.
AN/ARC-231	Airborne version of AN/PSC-5 DAMA satcom	US Army Special Ops helos	UHF/VHF airborne DAMA satcom.
AN/ARC-232	VHF/UHF airborne communication system	E-3, P-3, S-70	Also on French E-2Cs and UK WAH-64s, US Air Force tankers & transports.
AN/URC-133	VHF/UHF line-of-sight and UHF satcom radio system	MC-130, MH-53, MH-60	VHF and UHF simultaneous operation. Can be carry-on unit or permanently installed.
CILS 75/76	ILS	Jaguar, Tornado	—
Genstar	Airborne radio telephone	—	On Delta Air Lines B737, B747, L-1011s and MD-80s.
IFF 3100	IFF transponder	Tornado	—
IFF 3500	IFF interrogator	Sea King, Tornado	—
IFF 4500	IFF interrogator	Eurofighter	International partner.
IFF 4800	IFF transponder	CN-235, Hawk	Mode-S included. Provision for new NATO IFF waveform.
JSTARS	VHF/UHF communication system	E-3, E-8	Allows multiple, simultaneous communications in the same band, accommodates anti-jam waveforms.
KY-28/TSEC	Secure voice system	F-15	—
KY-58	Secure voice system	F-16	—
Magna Star	Air telephone system	—	For general aviation aircraft.
RAYTHEON CO., Space and Airborne Systems, El Segundo, CA, USA			
GAINS	GPS-aided all-weather inertial navigation system, seeker cueing, retargeting	—	For aircraft carrying Paveway, JSOW, EGBU, ERGM and Excalibur weapons. Open architecture.
MAGR 2000	Miniature airborne GPS receiver 2000	AH-64, AV-8B, B-1B, F-117 and F/A-18	Open architecture.
SAASM	Advanced GPS receiver with integrated inertial navigation	F-22	—
ROCKWELL COLLINS, Commercial Systems, Air Transport Systems, Cedar Rapids, IA, USA			
ADF-700/900 Series	Automatic direction finder	747, 757, 767, 777	Also on Airbus A320 family, A330/A340.
CMU-900/4000	Communications management unit	C-17, KC-135	AOA/VDL Mode 2 and ATN.
DME-700/900 Series	Distance measuring equipment	747, 757, 767, 777	Also on Airbus A320 family, A330/A340.
RDMI/RMI 733/743	Radio distance magnetic indicator	737, 747, 757, 767, A310, A320	Other applications.
TPR-901	Mode S transponder	747, 757, 767, 777	Also on Airbus A320 family, A330/A340.
VHF-920	VHF communications transceivers	747, 757, 767, 777	—
ROCKWELL COLLINS, Commercial Systems, Business and Regional Systems, Cedar Rapids, IA, USA			
ADF-462/4000	Automatic direction finder	CRJ Series 700, Gulfstream 4 & 5	—
AHS-3000A/S	Attitude heading reference system	Citation CJ1, CJ2 & CJ3	Also on Falcon 50EX/2000, Premier 1, others.
ALT-4000	Radio altimeter	Global Express, Premier 1	Highly accurate at low altitudes, other applications.
AMS-850	Avionics management system	Beechjet 400A, Learjet 60	Integrated with Collins ProLine 4.
DME-42/442/4000	Distance measuring equipment	ATR 42, Beech 1900D	Also on Citation 10, CN-235, CRJ 700 Series, others.
FMS-3000	Flight management system	BA 609, Premier 1	For light business jets.
FMS-4200	Flight management system	Canadair RJ, Saab 2000	For regional aircraft.
FMS-6000	Flight management system	Challenger 604, Falcon 2000	For large business aircraft.
HF-9000	HF communications system	Falcon 2000, Global Express	Full-frequency system.
NAV-4000/4500	Navigation receivers	Challenger 300	Also on Cessna CJ3, Gulfstream 200.
SAT-906	Satellite communications system (Inmarsat)	737, 747-200	ARINC 741 configuration. For business and regional aircraft.
SAT-5000/6000	Satellite communications system (Inmarsat)	Falcon 50EX, 900 & 2000	Six voice/data channels. For business and regional aircraft.
TDR-94/94D	Mode S transponder	All Pro Line 4, 21-equipped aircraft	Active transponder. For business and regional aircraft.
VHF-22/422/4000	VHF communications transceivers	ATR 42, CRJ Series 700	Also on Citation 10, Gulfstream 4 & 5.
VIR-32/33/432/433/4000	Navigation receivers	Beech 1900D, Learjet 60	Also on CRJ Series 900, Premier 1.
ROCKWELL COLLINS, Government Systems, Cedar Rapids, IA, USA			
AN/ARC-182	UHF/VHF radio transceiver	E-2C, F-14, P-3C, T-45	Multi-mode radio.

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ROCKWELL COLLINS, Government Systems, Cedar Rapids, IA, USA			
AN/ARC-186R	VHF AM/FM transceiver	F-15, F-16	—
AN/ARC-190	HF radio	B-1, B-52, C-5, C-130, F-15, KC-135	Standard USAF airborne HF radio.
AN/ARC-210	Multimode communications system	Helos, USA tactical a/c, USN	Standard USAF/USN airborne radio.
AN/ARC-220	High frequency radio	AH-64, CH-47, OH-58, UH-60	US Army standard.
AN/ARC-230/HF-121C	Airborne radio communications system	CN-235, E-3B, RC-135	For voice and data operations.
AN/ARN-147	VOR/MB/ILS receiver	C-5, C-130, C-141, CH-60	US military standard.
AN/ARN-149	Low frequency automatic direction finder	AH-64, C-130, UH-60	USAF and US Army aircraft.
AN/ARN-153	Advanced digital TACAN	—	US military aircraft.
AN/URC-138/SHAR	Link 16 terminal	Nimrod, Sea Harrier, Tornado	Also for Astor.
DF-301E	Directional finder system	Do 228	Military aircraft.
DF-430F	Tactical direction finder	—	Full stand-alone. 30-400MHZ. For military aircraft.
HF-9000	HF airborne communications system	—	Standard HF on military aircraft in more than 30 nations.
HF-9500	HF airborne communications system	C-27J, P-3	Royal Australian Air Force, US Navy.
JTIDS Class 2 Terminals	Link 16 L-band datalink	F-14, F-15	200 and 1,000w terminals.
MAGR	Miniaturized airborne GPS receiver	F/A-18	Standard US military airborne GPS receiver.
MDF-124F	VHF/UHF direction finder	—	For search and rescue aircraft.
MIDS/LVT-1	Low-volume Link 16 terminal	F-16, Eurofighter	Provides Link 16 at 200 watts.
MIDS/LVT-3/PDL	Low-volume Link 16 terminal	F-15, UCAVs	Next-generation Link 16.
MMR	Multimode receiver	C-5, C-130 AMP, KC-135	—
RSC-125F	Direction finder	—	For combat search and rescue aircraft.
SAT 906	Airborne satcom system	737, 747-200, C-135, C-141	—
Talon	Multimode, programmable UHF/VHF radio	—	For all airborne platforms.
VDL	Very high frequency datalink	KC-135	Upgradeable, digital system.
VLF/LF	Airborne transmitting system	French ASTARTE, USAF E-4B	Very low frequency.
SAGEM SA., Defence & Security, Paris, France			
AGYLE	Mini-ring laser gyro IRU	Aster missile	—
APIRS	FOG attitude and heading reference system	EC135, EC155, NH 90	Other helicopter applications.
BM63 Series	Rate-gyro accelerometers	Mirage 2000	Back-up systems.
SIGMA Series	Inertial navigation systems	Mirage, NH 90, Rafale	—
ULISS Series	Inertial navigation systems	Jaguar, Mirage 2000, Mirage F1/3/5	Also on Alphajet.
SCI TECHNOLOGY, INC., Huntsville, AL, USA			
CIU	Communications interface unit	AH-64D	In production.
ICS	Internal communications system	V-22	In production.
SMITHS GROUP PLC, Smiths Aerospace, Electronic Systems, Grand Rapids, MI, USA			
DFMS	Dual flight management system	737-300, 400, 500, 600	—
FMS	Flight management system	737, 767 Tanker Transport, A320 family, C-130, E-6, Nimrod, P-3, VC-25	—
THALES AVIONICS, Valence, France			
Gemini 3000	Navigation system	C-130, C295, Transall	—
Nadir 1000	Navigation system	Ecureuil	—
Nadir 3000	Navigation system	A109	—
Top Flight EGI 3000	Inertial/GPS navigation system	C-130, Mirage 2000, Mirage F1	Also for helicopters.
Top Flight GNSS 100	GPS receiver	Mirage 2000, Rafale	—
Top Flight GNSS 100-1	GPS receiver	Apache, MiG-AT	Also on Rooivalk, Super Puma.
Top Flight GNSS 100-2	GPS receiver	Tiger	—
Top Flight GNSS 200	GPS receiver	A109, MD-82	—
Top Flight GNSS 250	GPS receiver	Egnos, Galileo	—
Top Flight GNSS 1000	GPS receiver	C-130, Mirage 2000-9	Also on Scalp EG missiles, Storm Shadow.
Top Flight GNSS 2020 MMR	GPS receiver	Airbus transports	—
Top Flight IRS	Inertial navigation system	Ariane 4, 5, Rooivalk, Tiger	—
THALES COMMUNICATIONS, Colombes, France			
AHV 2100	Radio altimeter	NH 90, Nimrod	For helicopters, trainers and transports.

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THALES COMMUNICATIONS, <i>Colombes, France</i>			
AHV 2500	Radio altimeter	Apache, Storm Shadow	For missiles, UAVs.
AHV 2930	Radio altimeter	MiG-AT, Nimrod, Rafale	For fighters.
NC 12	TACAN	CH-47, Mirage 2000, Rafale	For fixed- and rotary-wing aircraft.
TLS 2010	Multimode receiver	E-2C, F-16	—
TLS 2020	Multimode receiver	C130, E-3, NH-90	Other applications include Mirage 2000 and Rafale.
TRA 2020	VHF/UHF AM/FM transceiver	MiG-AT, Rafale, Tiger	—
TRA 2030	VHF AM transceiver	Airbus, Boeing transports	—
TRA 6020	VHF/UHF ECCM transceiver	C-130, Cougar, E-2C, Nimrod	30-400 MHz.
TRA 6030	VHF/UHF ECCM transceiver	F-16, Mirage 2000, Rafale	Also on AH-64 and Tiger helicopters. 100-400 MHz.
TRC 9600	VHF/FM ECCM transceiver	AH-64, CH-47, NH-90	Also on Cougar, Puma and Tiger helicopters.
TSB 2500 Family	IFF interrogator/transponder	Gripen, NH 90, Rafale	—
TSC 2000 Family	IFF transponder	NH 90, Nimrod, Tiger	Planned for retrofit of French, German and Italian platforms.
THALES OPTRONIQUE, <i>Guyancourt, France</i>			
NAVFLIR	Navigation and attack Flir	Mirage 2000-9	Pylon-mounted. Can be used on commercial transports.
TOSHIBA CORP., <i>Tokyo, Japan</i>			
AN/ASN-109	Inertial navigation system	F-15J	License-built for Japanese F-15s.

END OF TABLE