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MIL-STD-1808(USAF)
NOTICE 1
28 March 1992

MILITARY STANDARD
SYSTEM/SUBSYSTEM/SUBJECT NUMBER (S/S/SN)
NUMBERING SYSTEM

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NEW PAGE	DATE	SUPERSEDED PAGE	DATE	
iii	28 March 1992	iii	10 October 1990	
iv	28 March 1992	iv	10 October 1990	
v/vi	28 March 1992	v/vi	10 October 1990	
9	10 October 1990	9	REPRINTED WITHOUT CHANGE	
10	28 March 1992	10	10 October 1990	
11	28 March 1992	11	10 October 1990	
12	10 October 1990	12	REPRINTED WITHOUT CHANGE	
13	28 March 1992	13	10 October 1990	
14	10 October 1990	14	REPRINTED WITHOUT CHANGE	
21	10 October 1990	21	REPRINTED WITHOUT CHANGE	
22	28 March 1992	22	10 October 1990	
31	10 October 1990	31	REPRINTED WITHOUT CHANGE	
32	28 March 1992	32	10 October 1990	
37	10 October 1990	37	REPRINTED WITHOUT CHANGE	
38	28 March 1992	38	10 October 1990	
65	28 March 1992	65	10 October 1990	
66	28 March 1992	66	10 October 1990	
83	28 March 1992	83	10 October 1990	
84	10 October 1990	84	REPRINTED WITHOUT CHANGE	
85	10 October 1990	85	REPRINTED WITHOUT CHANGE	
86	28 March 1992	86	10 October 1990	
141	28 March 1992	141	10 October 1990	
142	28 March 1992	142	10 October 1990	
143	28 March 1992	143	10 October 1990	1/
144	28 March 1992	144	10 October 1990	1/
145	28 March 1992	145	10 October 1990	1/
146	28 March 1992	146	10 October 1990	1/
147	28 March 1992	147	10 October 1990	1/
148	28 March 1992	148	10 October 1990	

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Custodian:
Air Force - 16

Preparing Activity:
Air Force - 16

Reviewing Activities:
Air Force - 10, 11, 13, 14, 15, 19, 85, 91, 99

(Project TMSS-F598)

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subject of the JG manual and shall be numbered as provided in MIL-M-83495. For example: All operational checkouts of systems, subsystems, sub-subsystems or a subject number identified item would be identified as "-001".

5.1.5.2 Typical functions. The following typical functions may be used as guide for development of the function numbers and may be expanded/changed to suit equipment requirements:

001 - Operational Checkout	011 - Calibrate
002 - Access	012 - Operate
003 - Remove	013 - Troubleshoot
004 - Repair	014 - Disassemble
005 - Install	015 - Assemble
006 - Inspect	016 - Test
007 - Clean	017 - Non Destructive Inspection
008 - Lubricate	018 - Corrosion Prevention
009 - Service	019 - Follow-On Maintenance
010 - Align and Adjust	020 - Shipping/Handling/Packaging

5.1.6 Text development. The definitions of the system numbering shall be used as a basis for sequencing/developing the text of the manuals/view packages.

5.2 Definition of aircraft groups, systems and subsystems.

GROUP	DEFINITION
AIRCRAFT	The complete operational unit. Includes dimensions and areas, lifting and shoring, leveling and weighing, towing and taxing, parking and shoring, required placards, servicing.

5.3 System number index. The following index is a compilation of the Systems that will be found on the subsequent pages of this document and has been added for quick reference purposes.

SYSTEM	TITLE
00	AIRCRAFT - GENERAL
01 THRU 04	RESERVED
05	TIME LIMITS/MAINTENANCE CHECKS
06	DIMENSIONS AND AREAS

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07	LIFTING, SHORING, RECOVERING AND TRANSPORTING
08	LEVELING AND WEIGHING
09	TOWING AND TAXIING
10	PARKING AND MOORING
11	PLACARDS AND MARKINGS
12	SERVICING
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26	FIRE PROTECTION
27	FLIGHT CONTROLS
28	FUEL
29	HYDRAULIC POWER
30	ICE AND RAIN PROTECTION

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31	INDICATING/RECORDING SYSTEMS
32	LANDING GEAR
33	LIGHTS
34	NAVIGATION
35	OXYGEN
36	PNEUMATIC
37	VACUUM
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80	ENGINE STARTING
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98	METEOROLOGICAL AND ATMOSPHERIC RESEARCH
99	ELECTRONIC WARFARE

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
00		AIRCRAFT GENERAL	General information for the complete aircraft, procedures for aircraft safety and general aircraft maintenance, use of aircraft safety and protective devices, and fatigue life calculations.
	00	AIRCRAFT DESCRIPTION	General description of the aircraft and it's systems, including type of aircraft, it's roles, accommodations, salient construction features, power unit installation, systems and operational equipment.
	10	AIRCRAFT GENERAL MAINTENANCE	Those instructions necessary for aircraft maintenance condition, cockpit entry, electrical (static) grounding, external power and cooling removal and installation, proximity switch control hookup and removal, ground communications connecting and disconnecting, utility power connection, radome opening and closing, landing gear door opening and closing, solo flight configuration, engine oil analysis, electrical bonding and sealing, and stress frame installation and removal.
	20	AIRCRAFT SAFETY	Those specific or vehicle peculiar instructions necessary to make safe and prepare the aircraft for maintenance action. Includes instructions for returning the aircraft to its serviceable state.
	30	SAFETY AND PROTECTIVE DEVICES	Those instructions necessary for use or operation of devices, such as; ejection control safety lever, safety pins, safety locks, safety pin flag assemblies, safety strut extensions and other required safety devices. Includes

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
07	50 - Continued		manufacture of transportation sledges or pallets. For removal procedures and maintenance information, refer to appropriate system/subsystem.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
08		LEVELING AND WEIGHING	That material necessary to properly level the aircraft for any of the various maintenance, overhaul or major repairs which might become necessary during the life of the aircraft. Includes those units or components which are specifically dedicated to record, store or compute weight and balance data. Also includes those maintenance practices necessary to prepare the aircraft for weighing and the procedures to weigh the aircraft. Includes weight and Center of Gravity (CG) data. This system shall be used for reference. Actual procedures for leveling, weighing and computing CG shall be included in the -5 series manuals.
	00	GENERAL	
	10	WEIGHT AND BALANCE	Those units or components on the aircraft dedicated to the specific function of recording, storing or computing weight and balance data.
	20	LEVELING	Those instructions necessary to prepare the aircraft for leveling and the leveling procedure. Includes information on the leveling equipment used.
	30	WEIGHING	Those instructions necessary to prepare the aircraft for weighing and the weighing procedure. Includes information on the weighing equipment used. Also includes limits of variation allowed between physical recorded weight and calculated weight based on specific aircraft record.
	40	WEIGHT AND CG DATA	Weight and moment or index information characteristic of the aircraft, limitations, datum points and lines, CG range, weight and balance management of the fuel and other expendable loads

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
13		EQUIPMENT STORAGE	Shall contain those procedures and illustrations required for temporary and extended storage, inspections and treatments during storage, removal from storage, etc.
	00	GENERAL	
	10	TEMPORARY STORAGE	Those instructions necessary to prepare the equipment for temporary storage (under ninety days). Includes special servicing, location of protective covers, tie-down points, drains, etc.
	20	EXTENDED STORAGE	Those instructions necessary to prepare the equipment for extended storage (over ninety days). Includes special servicing, sealing, venting, protection from sun, preservatives or protection required, protective covers, tie-down points, drains, etc.
	30	STORAGE INSPECTIONS AND TREATMENTS	Those instructions necessary to perform the required inspections and apply the required treatments during storage.
	40	REMOVAL FROM STORAGE	Those instructions necessary to remove the equipment from storage and prepare it for use.
	50	MOVING/FLYING TO OVERHAUL/ MAINTENANCE FACILITY	Those instructions necessary to prepare the equipment to be moved or flown to an overhaul/maintenance facility.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
14		AIRCRAFT LOADING AND OFF-LOADING	Shall contain those procedures and illustrations necessary to load and off-load internal and external stores, munitions and cargo. Includes information on the equipment and special tools required. Cross references shall be made to the applicable systems for information on the aircraft attachment points, pylons and carriers. This system shall be used for reference. Actual procedures for loading and off-loading shall be included in applicable cargo/munitions loading manuals.
	00	GENERAL	
	10	SUPPORT EQUIPMENT	A list of all support equipment and special tools, information and illustrations, as necessary, on those items not covered in other manuals shall be included.
	20	CARGO	Examples of loading and off-loading techniques, interior layout, floor loadings, location and strength of lashing points, methods of stowing and securing, capacities and dimensions of compartments and doors shall be included.
	30	INTERNAL AND EXTERNAL STORES	A list of stores such as external fuel tanks, reconnaissance pods, chaff dispensers, air/sea rescue equipment, etc. carried. Includes the carrier/adapter on which they are fitted. Data on the throttles of the ejector release units shall be included. Loading and off-loading procedures and illustrations shall be included.
	40	NONNUCLEAR MUNITIONS	A list of nonnuclear munitions such as rockets, missiles, bombs, ammunition, etc, and the carrier/adapter on which they are mounted shall be included. Data on the throttles of the ejector release

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
18		WEAPONS INSTRUMENTATION	That information necessary to explain and describe the instrumentation used for test, data acquisition and flight termination of airborne weapons. Includes instrumentation for testing weapons payload, telemetry, etc.
	00	GENERAL	
	10 thru 90		Subsystems 10 thru 90 shall be used to describe weapons instrumentation. The manufacturer may assign the subsystem numbers to suit the required types of instrumentation.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
19		TRAINING EQUIPMENT	Shall contain that unique equipment required to support training systems. Does not include aircraft components, commercial support or test equipment.
	00	GENERAL	
	10 thru 90		Subsystems 10 thru 90 shall be used to describe either individual trainers or groupings of trainers. The manufacturer may assign the subsystem numbers to suit the required types of trainers.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
33		LIGHTS	Those units and components which provide for external and internal illumination, such as landing lights, taxi lights, position lights, rotating lights, ice lights, master warning lights, passenger reading and cabin dome lights, etc. Includes light fixtures, switches and wiring., Shall not include warning lights for individual systems. Shall not include lamps/bulbs which are covered in System 39, ELECTRICAL/ ELECTRONIC COMPONENTS AND MULTIFUNCTION UNITS.
	00	GENERAL	
	10	FLIGHT COMPARTMENT/ COCKPIT	That portion of the system in the compartment above the floor and between the forward passenger partition and the forward pressure dome. Does not include cargo compartment. Includes direct and indirect illumination of work areas, panels and instruments. Includes the master warning light system and the warning light dimming systems where not integrated with a central audio or visual system under System 31-50.
	20	PASSENGER COMPARTMENTS	That portion of the system in the areas in which the passengers are seated and in buffet/galley, lavatories, lounges and coat rooms. Includes items such as direct and indirect illumination, passenger call system, lighted signs, etc.

NOTE: For those aircraft which do not contain passenger compartments, and the flight compartment(s) can be reasonably divided, subsystem 20 may be used to aid in defining such division.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
33	30	CARGO, SERVICE COMPARTMENTS AND WEAPONS BAYS	That portion of the system in the compartments for stowage of cargo and the housing of various components, accessories or weapons.
	40	EXTERIOR	That portion of the system used to provide illumination outside of the aircraft. Includes lights such as landing, navigation, position indicating, wing illumination, rotating, courtesy, taxi, etc.
	50	EMERGENCY LIGHTING	That portion of the system used to provide illumination in case of primary electrical power failure. Includes items such as inertia flashlights, lanterns, etc.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
45	NOTE: Subsystem Code is selected to match applicable system interface. For example, 45-21-XX would identify all Air Conditioning system monitoring and testing provided by the CMS and would provide directions for using the CMS to execute those maintenance functions. Detailed testing not capable of coverage in System 45 would be appropriately cross referenced and would be provided in System 21. Similarly, 45-32-XX would identify landing gear monitoring and testing provided by the CMS. 45-45-XX would identify the CMS itself.		

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
46		SYSTEM INTEGRATION AND DISPLAY	The primary aircraft system used to provide central acquisition, processing and display of data from multiple sources, such as flight controls, navigation computation, air data computation, warnings, engine parameters, etc.
	00	GENERAL	
	10	ACQUISITION	Those units and components used to acquire data for integration and processing. Excludes components which are covered by the applicable system.
	20	PROCESSING AND INTEGRATION	Those units and components used to integrate and process data acquired from a variety of sources and output signals to displays or warning devices. Includes items such as interfaces, central processing units, data bus controls, etc.
	30	DISPLAY	Those units which display data or provide warnings. Items included are not related to specific systems. Includes multifunction displays, integrated control and warning units, remote displays, etc.
	40 thru 70	SYSTEMS INTEGRATION SOFTWARE PACKAGES	These subsystems shall be used to provide information about those software packages which are applicable to more than one system of the aircraft and can be classified as multisystem applicable software. This includes software for computers which, in the event of failure of the computer(s) in another system, assume management of that system.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
47		LIQUID/GASEOUS NITROGEN	Those units and components used to generate, store, deliver and regulate liquid/gaseous nitrogen to two or more using systems. Includes regulators, lines, manifolds, etc. Does not include liquid nitrogen handling components of the using system.
	00	GENERAL	
	10	GENERATION/ STORAGE	That portion of the system which generates and/or stores nitrogen. Includes tanks, cells, reservoirs, accumulators, etc. Shall not include plumbing, pumps, valves, controls, etc.
	20	DISTRIBUTION	That portion of the system which is used to distribute nitrogen to the using systems. Includes plumbing, pumps, valves, regulators, etc.
	30	CONTROLLING	The nitrogen controls which meter the nitrogen to the distribution components and into the using systems. Includes items such as levers, switches, cables, etc.
	40	INDICATING	That portion of the system which is used to indicate the flow rate, temperature and pressure of the nitrogen. Includes items such as transmitters, indicators, etc.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
48		COMMUNICATION/ NAVIGATION/ IDENTIFICATION (CNI)	Those units and components which furnish a means of communicating within the aircraft, between the aircraft and other aircraft, between the aircraft and ground stations, between the aircraft and ground crew, navigating, and providing emergency location signals. Includes voice, data continuous wave communicating components, intercom, tape recorder-record player, and emergency signal transmitters. This system shall be used when the communication, navigation and identification systems are integrated.
	00	GENERAL	
	10	ANTENNAS/ APERTURES/ ARRAYS	That portion of the system which is used for transmission and reception of signals. Includes items such as antennas, apertures, arrays, antenna couplers, transmission lines, etc.
	20	PROCESSING AND INTEGRATION	That portion of the system which is used for navigation and emergency transmission, communication with ground crew, between aircraft, between flight crew personnel and with ground stations. Includes items such as encryption devices, decoders, processors, transmitters, receivers, amplifiers, power supplies, recorders, etc.
	30	CONTROLS/ DISPLAYS	That portion of the system which provides control and display of CNI functions. Includes items such as function selection devices, mode selection, signal power levels, control panels, frequency control and display, signal volume, etc.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
93		SURVEILLANCE	Those units and components which furnish a means of sensing the surrounding environment and process, display and record the resulting information.
	00	GENERAL	
	10	DATA PROCESSING	That portion of the system that provides computation, switching and storage of signals acquired.
	20	DATA DISPLAY	That portion of the system that provides the data display of information acquired by sensors.
	30	RECORDING	That portion of the system that provides the recording of information acquired by sensors.
	40	IDENTIFICATION	That portion of the system that provides identification of information acquired by sensors.
	50	INFRARED SENSORS	That portion of the system that uses heat sensing devices, such as infrared scanners, infrared image and detection to acquire information.
	60	LASER SENSORS	That portion of the system that uses laser devices to acquire information for distance measuring, identification, etc.
	70	SURVEILLANCE RADAR	That portion of the system that uses radar for surveillance or mapping purposes. Includes devices such as antennas, receivers, transmitters, indicators, etc.
	80	MAGNETIC SENSORS	That portion of the system that senses magnetic anomalies. Includes devices such as

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
93	80 - Continued		magnetometers, amplifiers, computers, indicators, etc.
	90	SONAR SENSORS	That portion of the system that senses objects underwater. This includes devices such as modulators, computers, transducers, indicators, etc.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
94		WEAPON SYSTEM	Those units and components which furnish a means of acquiring a target, performing release calculations based on ballistics, winds, air and ground speed, altitude, attitude, etc, and releasing stores either automatically or manually.
	00	GENERAL	
	10	WEAPONS RELEASE	The weapon release system consists of all equipment required to release, fire and/or jettison stores. Includes computers, displays, controls, stores management, etc.
	20	UNASSIGNED	
	30	WEAPONS SUSPENSION	The weapons suspension system provides interconnecting equipment to transport and release/fire weapons. Includes multipurpose pylons if used for any weapon mounting role, special pylons, ejection racks, launchers, etc.
	40	UNASSIGNED	
	50	GUNNERY	The gunnery system consists of all guns and equipment necessary to fire stores.
	60	UNASSIGNED	
	70	WEAPONS CONTROL	Those units and components which furnish a means of designating and acquiring a target. Includes radar, computers, displays, etc, necessary to provide weapons release decision (aiming cues).

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
95		CREW ESCAPE AND SAFETY	Those units and components which furnish a means of ejecting or jettisoning personnel, capsules or equipment from the airframe.
	00	GENERAL	
	10	EJECTION SEATS	That portion of the system which is used to eject flight crew or passenger seats individually from the airframe.
	20	ESCAPE HATCHES/ CANOPIES	That portion of the system involving hatches and canopies including miniature detonating cord. Does not include the canopy and it's actuating mechanisms which are covered in System 56, WINDOWS AND CANOPIES.
	30	CAPSULE EJECTION	That portion of the system which provides a protective environment for the flight crew after separation from the airframe.
	40	UNASSIGNED	
	50	GLOBAL SURVIVAL KITS	That portion of the system that insures flight crew survivability after unplanned separation and/or landing.
	60	IMPACT PROTECTION AND FLOTATION	That portion of the system providing protection and/or flotation for personnel/equipment after impact.
	70	CAPSULE FLIGHT	That portion of the system used to control attitude and direction of the capsule or container after ejecting or jettisoning from the airframe.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
96		MISSILES, DRONES AND TELEMETRY	Those units and components which furnish a means of launching and controlling drones and ground launched missiles.
	00	GENERAL	
	10	SURFACE TO SURFACE MISSILES	That portion of the system which is used for launching and controlling surface to surface missiles.
	20	SURFACE TO AIR MISSILES	That portion of the system which is used for launching and controlling surface to air missiles.
	30	DRONES	That portion of the system which is used for launching and controlling drones.
	40	TELEMETRY	That portion of the system which is used for telemetry for applications other than missile, drone or decoy usage.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
97		IMAGE RECORDING	Those units and components which furnish a means of recording on film, video, disc, tape, etc. Does not include recording systems which are part of any other system.
	00	GENERAL	
	10	STRIKE	That portion of the system which is used for recording the results of an air strike.
	20	OFFENSIVE WEAPONS SYSTEM	That portion of the system which is used for recording instruments and the dropping of bombs.
	30	FIRE CONTROL SYSTEM	That portion of the system which is used for recording rockets and gunfire.
	40	INSTRUMENTATION SYSTEM	That portion of the system which is used for recording meters, dials, displays, etc.
	50	RANGE SYSTEM	That portion of the system which is used for range recording. Includes installations such as forward and oblique recording systems.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
98		METEOROLOGICAL AND ATMOSPHERIC RESEARCH	Those units and components which furnish a means of providing and recording measurement of natural or man-made atmospheric phenomena, gravitation and magnetic.
	00	GENERAL	
	10	WEATHER	That portion of the system which is used to measure and record moisture, temperature, cloudiness, wind, etc.
	20	CLEAR AIR TURBULENCE	That portion of the system which is used to detect, measure and record clear air turbulence.
	30	POLLUTANTS	That portion of the system which is used to detect, measure and record contaminated particles.
	40	MAGNETIC/ GRAVITATIONAL	That portion of the system which is used to detect, measure and record the earth's magnetic and gravitational force.

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SYSTEM	SUB-SYSTEM	TITLE	DEFINITION
99		ELECTRONIC WARFARE	Those units and components which furnish a means of detecting, jamming or nullifying the effectiveness of defensive detection devices.
	00	GENERAL	
	10	ACTIVE	That portion of the system consisting of receivers, transmitters, repeaters, blanking and modulating devices, etc.
	20	PASSIVE	That portion of the system that contains no active elements. For example: chaff.
	30	ELINT (Electronic Intelligence)	That portion of the system consisting of electronic intelligence systems, such as receivers, monitors, recorders and analysis devices.