

Date of Latest Change: 12/06/05

**(U) Appendix C - Glossary of Code Words and Terms**

*(Appendix C is UNCLASSIFIED except as indicated by portion markings)*

<b>AFSCN</b>	<b>Air Force Satellite Control Network.</b> An interconnected, global set of ground stations that provided tracking, telemetry, command, and control functions primarily for manned and unmanned Department of Defense (DOD) and non DOD satellite operations and space vehicle missions.
<b>AGE</b>	<b>Aerospace Ground Equipment.</b> All ground equipment required to prepare and checkout the payload and launch vehicle prior to launch.
<b>Angel<sup>24</sup></b>	An informal nickname for the U-2 high altitude reconnaissance aircraft used by the staff of Lockheed's Advanced Development facility.
<b>AQUATONE<sup>24</sup></b>	The code word assigned to the U-2 development and early operations in the late 1950s.
<b>ARGO<sup>59</sup></b>	The code word for a program that investigated the use of classified reconnaissance imagery for civil purposes during the Johnson administration. The only imagery that can be acknowledged as supporting ARGO is that from the CORONA, ARGON, or LANYARD programs.
<b>ARGON</b>	The code word associated with first satellite mapping camera that flew in the early to mid-1960s.
<b>ARPA</b>	<b>Advanced Research Projects Agency</b> (later DARPA)
<b>AUDICO</b>	An analog-to-digital converter used by NSA to prepare GRAB ELINT satellite downlink data for computer processing.
<b>Automatic Declassification</b>	Declassification of records on a specific date or event as determined by the original classification authority, or the expiration of a maximum period of time for classification established by 12958, as amended.
<b>BE Number</b>	<b>Basic Encyclopedia Number.</b> A unique number assigned to a foreign installation or facility that identified it in intelligence products and databases.

**BEACON HILL<sup>24</sup>**

An Air Force study group formed in the early-1950s to research new approaches to overhead reconnaissance, including high altitude balloons, aircraft, and earth satellites.

**BLACK KNIGHT<sup>24</sup>**

A SENSINT overflight of Vladivostok by three USAF RB-57Ds on 11 December 1956. When protested by the Soviets, President Dwight Eisenhower ordered a halt to all SENSINT and TALENT overflights of Sino-Soviet countries.

**BLACK SHIELD<sup>46</sup>**

The operational code word associated with the operational deployment of A-12/OXCART aircraft to Kadena Air Base in 1968 to support U.S. military operations in Southeast Asia. BLACK SHIELD aircraft primarily overflew North Vietnam. On three occasions in 1968, A-12 aircraft overflew North Korea after that country's seizure of the USS Pueblo in January of that year.

**BLUE BOOK<sup>24</sup>**

The Air Force effort to investigate unexplained aerial phenomena commonly known as UFOs. Investigators checked reported sightings against U-2 and later OXCART flight records, which accounted for a number of them.

**BRIDGEHEAD<sup>15</sup>**

A generic name ascribed to processing of overhead program film by Eastman Kodak.

**BUCKSHOT<sup>40</sup>**

The nickname associated with the unsuccessful NRL multi-payload launch in January 1962 called COMPOSITE.

**BUG<sup>40</sup>**

The name given by NSA to the first detected signal associated with a Soviet ABM radar. It was intercepted by the GRAB ELINT satellite.

**C<sup>3</sup>**

**Command, Control and Communications.**

**CACTUS<sup>111</sup>**

CORONA computer program that listed target locations for photo-interpreting.

**CALICO<sup>111</sup>**

Unclassified in CORONA context only.

**CANES<sup>40</sup>**

CORONA computer program that determined camera operations and displayed operational data. Unclassified in CORONA context only.

**CANIS<sup>40</sup>**

The Navy access and security control system for the GRAB ELINT satellite project started by the Naval Research Laboratory.

**CAT EYE**

A misspelling of CANES, often found in the records.

A WS-117L project circa 1956 dealing with light amplification.

**C<sup>3</sup>I**

**Command, Control and Communications & Intelligence.**

**CCAM**

**Controlled Collision Avoidance Maneuver.**

**CDRL**

**Contract Data Requirements List.**

**CHALICE**

The operational code word associated with the U-2 program before the shootdown of Gary Powers. It was replaced by the code word IDEALIST.

**CHESSE**

Code name assigned the U-2 imagery product.

**CIO**

**Central Imagery Office.**

**CL-282<sup>24</sup>**

The Lockheed designation for the preliminary design concept that evolved into the U-2 high altitude reconnaissance aircraft.

**COMET<sup>111</sup>**

CORONA computer program that determined orbit selections. Unclassified in CORONA context only.

**COMINT<sup>5</sup>**

**Communications Intelligence. See SIGINT.**

**COMINT Control**

An intelligence security compartment for **System<sup>5</sup>** communications intelligence.

**COMIREX**

**Committee for Imagery Requirements and Exploitation.**

**COMOR**

**Committee on Overhead Reconnaissance.** The predecessor organization to the COMIREX in defining overhead collection requirements.

**COMPOSITE**

A term used to describe an unsuccessful NRL multi-payload launch in January 1962, including a GRAB ELINT satellite.

**COMSEC**

**Communications Security.**

**CORONA**

The once-classified name for the covert photoreconnaissance satellite program that first returned images to earth.

**CORONA TARGET PROGRAM (CTP)<sup>111</sup>**

CORONA computer program that selected orbit-by-orbit camera operation based on weather forecasts and on displays of operational information and accomplishment.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**Derating**

The operation of a system at less than its design capability.

**DEFCON**

**Defense Condition.**

**DCI**

**Director of Central Intelligence.**

**DCIA**

**Director of the Central Intelligence Agency**

**DDL**  
**Dirty Bird**<sup>24</sup>

**DISCOVERER**

**DNI**  
**DNRO**  
**DOD**  
**DRAGON LADY**<sup>24</sup>

**DSP**

**Direct Down Link.**

The term used to refer to U-2 aircraft using radar signature reduction techniques.

The unclassified cover name for the covert CORONA program, used until 1962 when it was replaced with numbers.

**Director of National Intelligence**

**Director, National Reconnaissance Office.**

**Department of Defense.**

The name of the Air Force project in 1956 to procure its own fleet of U-2 aircraft, with the cooperation of CIA for security purposes.

(S) **Defense Support Program.** An Air Force satellite that uses infrared sensors to detect ballistic missile launches. It was an outgrowth of the early WS-117L MIDAS R&D program. [REDACTED]

**DYNO**<sup>10</sup>

An operational code word associated with GRAB, the first satellite ELINT system, which was developed and operated by the Naval Research Laboratory until it transferred to the National Reconnaissance office in 1962.

**DYNASOAR**<sup>103</sup>

A 1960s era Air Force program to develop a space plane. It never progressed beyond R&D. The code word associated with a solitary U-2 overflight of North Vietnam in the summer of 1961.

**EBONY**<sup>24</sup>

**ECI**<sup>5, 25</sup>

**Exceptionally Controlled Information.** An NSA administrative COMINT flag.

**ELINT**<sup>5</sup>

**Electronic Intelligence.** See SIGINT.

**EMC**

**Electromagnetic Compatibility.**

**EMI**

**Electromagnetic Interference.**

**EMP**

**Electromagnetic Pulse.**

**Ephemeris Data**

Information regarding a satellite's orbital parameters, altitude, inclination, etc.

**EQUINE**<sup>24</sup>

The code word for the initial planning to exploit the photography taken by the U-2 high altitude reconnaissance aircraft.

**EVEN STEVEN**<sup>24</sup>

The code word associated with 29 U-2 flights in 1970 that overflew the Suez Canal ceasefire zone between Israel and Egypt.

**Executive Order**  
**12951**

Signed on 22 February 1995, it directs the declassification and release to the public by October 1996 of all imagery collected by the

**Executive Order  
12958**

CORONA, ARGON, and LANYARD satellite reconnaissance systems.

Signed on 19 April 1995 and amended on 25 March 2003, it directs the automatic declassification of records on a specific date or event determined by the original classification authority, or on the expiration of a maximum period of time for classification established by this order. The nine specified criteria in amended Executive Order 12958 that justify exemption from automatic declassification.

**Exemption  
Categories**

**FFRDC**

Federally Funded Research and Development Center.

**FIS**

**FEED BACK**

Foreign Instrumentation Signals. See SIGINT. The RAND study project on the feasibility of reconnaissance satellites that culminated in a 1954 decision by the Air Force's Air Research and Development Command (ARDC) to study the potential for translating the FEED BACK recommendations into actual hardware. ARDC's decision evolved into the WS-117L PIED PIPER program.

**FERRET**

The generic term applied to the SIGINT variants of the SAMOS WS-117L satellite development effort. (See Appendix E)

**FLIP TOP<sup>24</sup>**

The code word associated with 15 U-2 over flights of Cuba in April 1961 to provide photographic coverage of the Bay of Pigs invasion and its aftermath.

**FOG**

Refers to the Follow-On-Group of 31 U-2 aircraft purchased by the Air Force, separate from those purchased initially by the CIA.

**FORWARD PASS**

(S)

(S)

The code word is unclassified when divorced from its meaning.

**GENETRIX**

Program name for a covert effort to perform high altitude balloon reconnaissance over the Soviet Union in the mid-1950s. Also assigned AFP number WS-119L. A follow-on project in

**GRAB**<sup>31, 40</sup>

1958 was identified as **461L**.

The cover term for the first satellite ELINT system, which was called DYN0, and developed by the Naval Research Laboratory before being transferred to the NRO in 1962. The term was an acronym for "Galactic Radiation And Background." (See Appendix A)

**GRAND SLAM**<sup>24</sup>

The operations code word associated with the final over flight of the Soviet Union that resulted in the downing of Gary Powers' U-2 on 1 May 1960.

**GREB**<sup>31, 40</sup>

A variation of the cover term for DYN0 first introduced by DARPA. It is an acronym representing the term Galactic Radiation Experiment Background.

**GREEN EYES**<sup>24</sup>

The code word associated with three U-2 missions over Cuba in Nov-Dec 1960.

**GSE**

**Ground Support Equipment.**

**HEMP**

**High Energy Magnetic Pulse.**

**HOLD**<sup>31, 40</sup>

The security control system instituted by the Office of Naval Intelligence in 1961 to replace the CANES control systems associated with the GRAB/DYN0 ELINT satellite system. The operations code word associated with two U-2 peripheral electronic intelligence collection flights along the Soviet-Iranian border in June 1959. The first mission involved operations with an USAF RB-57D and made the first telemetry intercept from a Soviet ICBM during its first-stage flight. The name given to the project designed to exploit U-2 imagery in January 1956 that evolved into NPIC.

**HOT SHOP**<sup>24</sup>

**HTAUTOMAT**<sup>24</sup>

**IDEALIST**<sup>24</sup>

The cryptonym used to describe the overall U-2 program after the 1 May 1960 shoot down over the Soviet Union.

**IART**

**Information Access and Release Team.** The NRO organization that handles FOIA and security reviews, and conducts the review and declassification of NRO 25-year-old classified information in accordance with amended Executive Order 12958 and NRO declassification policy.

**ILC**

**Initial Launch Capability.**

**IMINT**

**Imagery Intelligence.** The collection and analysis of photography and electronic imaging across the electromagnetic spectrum,

<b>Information Element (IE)</b>	to include visual, radar, infrared, and ultraviolet data. A specific category of information contained in NRO security classification guides or declassification guides for which there is guidance on its appropriate security treatment.
<b>INJUN<sup>40</sup></b>	A sub satellite launched as a co-piggyback payload with GRAB/DYNO2 on 29 June 1961 onboard a TRANSIT II Navy communication satellite. Sponsored by Dr. James Van Allen, its purpose was the legitimate scientific study of the radiation belts around the earth.
<b>IOC</b>	<b>Initial Operational Capability.</b>
<b>IR</b>	<b>Infrared</b>
<b>IRON</b>	<b>Inter-Range Operations Number.</b> A randomly selected four-digit number used to schedule and identify AFSCN support for booster, launch, and/or on-orbit operations.
<b>ISOO</b>	<b>Information Security Oversight Office.</b> The organization responsible for overseeing the implementation of amended Executive Order 12958 within all Executive departments and agencies.
<b>JANUS<sup>103</sup></b>	The name of the last-generation CORONA J cameras. Often referred to as the J-1, J-2, J-3, or J-4 cameras.
<b>JCS</b>	<b>Joint Chiefs of Staff.</b>
<b>KICK OFF<sup>24</sup></b>	The operations code word associated with the overall Cuba overflight effort in support of the Bay of Pigs invasion in 1960.
<b>LANYARD</b>	Program name for the unsuccessful first effort to develop a high resolution surveillance photosatellite.
<b>Launch Date</b>	A term that includes indicates when a space launch is to (or was to) occur; year, quarter, month, week or day.
<b>Launch Period</b>	The calendar period during which launch targeting information is available. The time span (encompassing the launch window) during which a LV launch is intended to occur.
<b>Launch Window</b>	A specified period of time during which a space launch must occur to satisfy technical constraints and requirements.
<b>LCO</b>	<b>Launch Communications Office.</b>
<b>LETHAL<sup>111</sup></b>	CORONA computer program that automatically

<b>LOFTI</b> <sup>40</sup>	commanded and controlled the satellite. Unclassified in CORONA context only. A 60 pound NRL experimental satellite to study ionospheric effects on very low frequency propagation. It was lost during the January 1962 unsuccessful COMPOSITE launch.
<b>LONG GREEN</b> <sup>24</sup>	Two U-2 flights over Cuba in March 1961 to aid preparations for the subsequent Bay of Pigs invasion.
<b>LPO</b>	<b>Launch Program Office.</b> The NRO OSL integration and launch SPO. Formerly known as SMC/CLX, SMC/IMO and/or Launch Office.
<b>Lifboat</b>	A redundant and self-contained back-up stabilization system (BUSS) used on CORONA that could be activated for recovering the satellite recovery vehicle in the case of an AGENA power failure.
<b>LV</b>	<b>Launch Vehicle.</b> Consists of the entire space delivery system including, as appropriate, the booster, core vehicle, upper stage, and the payload fairing for all current and currently planned launch systems.
<b>MASINT</b>	<b>Measurement and Signature Intelligence</b>
<b>MCC</b>	<b>Mission Control Complex.</b>
<b>MC&amp;G</b>	<b>Mapping, Charting, &amp; Geodesy.</b>
<b>MCS</b>	<b>Mission Control Station.</b>
<b>MGS</b>	<b>Mission Ground Station.</b>
<b>Methods</b>	Operational techniques used to gather intelligence or support clandestine or covert actions.
<b>MIDAS</b> <sup>103</sup>	A component of the USAF WS-117L developmental program with the objective of detecting ballistic missile launches. It evolved into the operational Defense Support Program (DSP) ballistic missile warning satellite. The Midas R&D Program was declassified entirely in 1998. <sup>110</sup>
<b>MILSATCOM</b>	<b>Military Satellite Communications.</b>
<b>MOBY DICK</b>	Program name for overt balloon meteorological experiments from the early-to-late-1950s.
<b>MOON BOUNCE</b> <sup>39</sup>	A project, started in 1949 to collect Soviet radar signals reflected off the moon.
<b>MURAL</b> <sup>103</sup>	The first two camera CORONA variant that provided the first stereo capability.
<b>NCA</b>	<b>National Command Authority.</b>
<b>NACA</b> <sup>24</sup>	<b>The National Advisory Committee on</b>



<b>NAREC</b> <sup>39</sup>	<b>Aeronautics.</b> The predecessor to the National Aeronautics and Space Administration (NASA) that played a part in the cover story for the U-2 in the early development of the aircraft. Under the cover scenario, the U-2's ostensible mission was to support NACA with high altitude weather research.
<b>NEW HORIZON</b>	An NRL computer used for signals search in conjunction with the GRAB ELINT satellite.
<b>NIMBUS</b> <sup>24</sup>	Official nickname for the WS-117L military reconnaissance satellite development effort. The code word associated with monthly U-2 over flights of Cuba after the Bay of Pigs invasion that eventually led to detection of Soviet strategic missiles on the island. (Also the name of an experimental NASA weather satellite.)
<b>NMCC</b>	<b>National Military Command Center.</b>
<b>NORAD</b>	<b>North American Aerospace Defense Command.</b>
<b>NPIC</b>	<b>National Photographic Interpretation Center.</b> A national-level imagery exploitation organization that had primary Governmental responsibility for CAL photographic interpretation.
<b>NRO</b>	<b>National Reconnaissance Office</b>
<b>NRP</b>	<b>National Reconnaissance Program.</b>
<b>NSA</b>	<b>National Security Agency.</b>
<b>OARFISH</b> <sup>24</sup>	The code word assigned to the CIA contract with Lockheed to develop the U-2.
<b>OBP</b>	<b>On board processor.</b>
<b>OILSTONE</b> <sup>24</sup>	The Air Force code word for the development program of the U-2 high altitude reconnaissance program.
<b>ONI</b>	<b>Office of Naval Intelligence.</b>
<b>OPSEC</b>	<b>Operations security.</b>
<b>OSD</b>	<b>Office of the Secretary of Defense.</b>
<b>Overhead</b>	A term that refers to airborne and space borne reconnaissance.
<b>OXCART</b> <sup>24</sup>	The code word assigned to the A-12, the high altitude, supersonic successor to the U-2. The military variant became the SR-71.
<b>Paperclip</b>	The name of the project whereby German rocket scientists were engaged by the U.S. Army in 1950 to develop battlefield missiles.
<b>PARAMOUNT</b> <sup>24</sup>	The name of a multi-agency body during the Suez Crisis of 1956 that produced all source intelligence reports, including the use of U-
<b>Committee</b>	

**PATHFINDER** 2 high altitude imagery.  
A mechanical test to verify the compatibility of the space vehicle and its interface with the AGE.

**Payload(s)** One or more combinations of mission enhancing hardware packages that are integrated onto the space vehicle bus to perform program requirements.

**Payload Identity** The combination of the Adapter Support Equipment (ASE) and the satellites.

**PFIAB** President's Foreign Intelligence Advisory Board.

**PIED PIPER** The original cryptonym assigned to the WS-117L advanced reconnaissance satellite program in 1955-56, and used in the design competition.

**PLF** **Payload Fairing.** The hardware that covers the payload while awaiting launch on top of the booster.

**PROFORMA<sup>5</sup>** Signals with machine generated data, usually digital, machine-to-machine.

**Program** The facilities, equipment, hardware, software, funds, personnel, and activities involved in a concerted effort to achieve a predetermined objective.

**Programmatic Data** Non-product or non-product-related information concerning space-based reconnaissance systems in the following areas:

- Research, development, and operation
- Budgeting and funding
- Contractor relationships
- Integration of launch and sensor platforms
- Command and control operations
- Key design and development details
- Survivability and vulnerability.

**PSAC** **President's Scientific Advisory Committee.**

**RAINBOW<sup>24</sup>** The code word associated with the project to reduce the U-2's vulnerability to radar detection.

**Raincoat** The name of the policy instituted by DNRO Charyk in early 1962 to classify launches of all military satellites. Its impetus was the increasing difficulty of maintaining the DISCOVERER cover story for the CORONA program. It can be associated with the SAMOS;

CORONA (DISCOVERER), ARGON, and LANYARD programs. However, remaining classified are details concerning specific methodologies of this security strategy and considerations for its application vis-a-vis currently unacknowledged programs.<sup>49</sup>

**RAPPORT<sup>5</sup>** A COMINT product identifier.

**Real-time** Refers to intelligence collection tasking and operational activity as it occurs.

**Redact** To edit a classified document, including lining out security markings that are no longer sensitive and removing classified information from the document in order to declassify the remaining material.

**Redaction** A code used to authenticate the redaction of classified information from otherwise

**Justification** releasable documents.

**Code**

**Refer** Sending information to another organization within the same agency or to other government agencies for their review before releasing that information to the public.

**Reflight** Information that reveals relationships and/or plans to launch another SV with similar configuration to a previously flown SV.

**Release** Make available to the public.

**RD** Restricted Data.

**RF** Radio Frequency.

**RTS** Remote Tracking Station.

**SAF/SL** Office of the Secretary of the Air Force/Space Launch.

**SAP** Special Access Program.

**Satellite** Spacecraft bus, payload, and space vehicle that performs an on-orbit mission.

**SAMOS** An early Air Force reconnaissance satellite program that emphasized film read-out systems. One SAMOS photo satellite project attempted to develop a high-resolution film return system. Another SAMOS project was involved with ELINT "ferret" satellites. (See Appendix E)

**SEAFOAM<sup>24</sup>** ~~(S/NF)~~ The code word associated with six U-2 flights from Ramey AFB, Puerto Rico in December 1963. (Note: [REDACTED])

**SCI** Special Compartmented Information

**SCIF** Special Compartmented Information Facility

**SCOPE SAINT<sup>24</sup>**

A series of U-2 overseas deployment exercises.

**SCOPE SHIELD<sup>24</sup>**

U-2 missions flown on the periphery of North Vietnam mostly in 1973 to monitor that country's compliance with cease fire agreements.

**SECAF**

**Secretary of the Air Force.**

**SECDEF**

**Secretary of Defense.**

**SENSINT<sup>103</sup>**

**Control System**

**Sensitive Intelligence** was an access and security control system for a compartmented military reconnaissance overflight program conducted in the 1950s, one that predated the U-2 program. It featured a variety of modified military aircraft that flew missions over mainland China, the Soviet satellite states in Eastern Europe, and the USSR. Its imagery product was held in a compartment called WINDFALL.

**SENTRY**

The predecessor name for the SAMOS program.

**SGLS**

**Space Ground Link System.**

**SIGINT**

**Signals Intelligence.** The interception, analysis, and reporting of information comprising either individually or in combination, all COMINT, ELINT and FISINT. SIGINT includes both raw data and the analysis product of that data. Subsets of SIGINT include:

**a. Communications Intelligence (COMINT).**

Technical and intelligence information derived from foreign communication by other than the intended recipients. Special Intelligence (SI) is the unclassified term which is used to identify COMINT in the unclassified environment.

**b. Electronic Intelligence (ELINT).**

Technical and intelligence information derived from foreign electromagnetic non communications transmissions by other than intended recipients, and foreign non-communications electromagnetic radiation emanations from other than atomic detonation or radioactive sources.

**c. Foreign Instrumentation Signals**

**Intelligence (FISINT).** Technical and intelligence information derived from the intercept of foreign instrumentation signals (i.e., electromagnetic emissions).

**Skunk Works<sup>24</sup>**

**SOC**

**SOFT TOUCH<sup>24</sup>**

**SOLRAD<sup>40</sup>**

**Spacecraft**

**Spacecraft Bus**

**SPARTAN<sup>24</sup>**

**SP-AS-63<sup>24</sup>**

**SPASUR<sup>40</sup>**

associated with the testing and operational deployment of non-U.S. aerospace, surface, and subsurface systems. Signals include telemetry, beaconry, electronic interrogators, tracking/fusing/arming/command systems, and video data links.

The term applied to the Lockheed's Advanced Development facility at Burbank, California that developed the U-2, the A-12, and the SR-71 high performance reconnaissance aircraft. **The NRO Satellite Operations Center.** Located in the Pentagon in the early 1960s, it translated the collection requirements levied by the intelligence community for tasking by the satellite ground stations. It was disestablished in the late 1970s.

The operations code word associated with nine U-2 over flights of the Soviet Union and two over flights of the People's Republic of China during a 23 day span in 1957. Resulted in discovery of the Tyuratam Missile Test Center in the USSR.

**Solar Radiation Experiment.** A legitimate scientific experiment launched with the Navy GRAB ELINT satellite. The SOLRAD payload was publicly acknowledged while the classified ELINT payload was not, thus providing cover for the latter.

The satellite carried into space to perform an operational, research, or test mission.

The spacecraft structure to which mission enabling and payload hardware are attached. Name given to the SAMOS E-6 imaging payload development effort when the E-6 was cancelled in 1963 and reoriented from a two camera system launched on ATLAS to a one camera system launched on Thrust-Assisted-THOR (TAT). (Effective 2/7/02)

A second derivative development effort of the SAMOS E-6 imaging payload after the first derivative effort, designated SPARTAN, was cancelled in 1963. (Effective 2/7/02)

The Naval Space Surveillance facility comprised of a chain of transmitter sites and receiver sites, forming a continuous wave electronic fence above the southern states from coast to coast. Can also be referred to

**SPCI**

in the records as NAVSPASUR.  
**Special Program Controlled Information.**  
Includes information relating to Special Program activities, but not warranting a TOP SECRET or SECRET classification. SPCI is handled only by briefed personnel and may not leave the SP Controlled area.

**SPO  
SRV**

**System Program Office.**  
**Satellite Recovery Vehicle.** A detachable part of the spacecraft in film-return satellite reconnaissance systems that was de-orbited for delivering exposed film back to earth for processing and exploitation.

**STARFISH<sup>103</sup>**

The name associated with a U.S. high altitude nuclear test in 1962. See related redaction guidance in Appendix F.

**SURCAL<sup>39</sup>**

A small nine-pound NRL satellite designed as a space object to calibrate the Naval Space Surveillance fence. It was lost during the unsuccessful January 1962 COMPOSITE launch.

**SV**

**Satellite Vehicle.** The satellite carried into space to perform an operational, research, or test mission. See Payload.

**SVC**

**SV Mission**

**Satellite Vehicle Contractor.**  
The activity the satellite will accomplish in space.

**System-V<sup>24</sup>**

The first electronic intercept equipment to be flown aboard the U-2.

**System 438L**

A separate Weapon System designation under which the WS-117L intelligence data handling system (IDHS) was to be developed by the Air Force. Development of the IDHS part of the WS-117L Advanced Reconnaissance System was eventually abandoned.

**TAGBOARD<sup>103</sup>**

A supersonic reconnaissance drone designed in the 1960s originally to be launched from the A-12/OXCART aircraft. It flew its only a few operational missions launched from a B-52.

**TALENT Control  
System**

The access and security control system employed for the U-2 program. U-2 imagery products held in two other compartments: CHESS and CHURCHDOOR.

**TALENT-KEYHOLE  
Control System**

The access and security control system established for reconnaissance satellites in August 1960. TK imagery products held in other compartments, such as RUFF and DAFF.

**TATTLETALE**<sup>31</sup>

The code word initially assigned to the Navy GRAB ELINT satellite project in the late-1950s.

**TIME STEP**<sup>24</sup>

The code word associated with a planned U-2 overflight of the Soviet Union in late April, 1960. It was discarded in favor of another overflight plan that resulted in the shoot down of Gary Powers' U-2 on 1 May 1960.

**TIGER**

The non-compartmented code word for the then compartmented TAGBOARD supersonic reconnaissance drone managed by former Program D.

**TOG**<sup>40</sup>

**Technical Operations Group.** The interagency body established by the Navy to coordinate and control activities related to the GRAB/DYNO ELINT satellite project.

**TOMAS**

See VAULT/TOMAS.

**Trailblazer**

A test to verify the compatibility of the SV and its interface with the LV.

**TRAP**

Tactical Related Applications.

**TRANSIT**<sup>31, 40</sup>

The Navy's first navigation satellite, it also provided a covert piggyback ride for the GRAB ELINT payload, the nation's first operational reconnaissance satellite

**Trapeze**<sup>24</sup>

The name given to attempts to reduce the U-2's radar signature under Project RAINBOW through the use of attached fiberglass rods and small gauge wire with precisely spaced ferrite beads.

**UV**

Ultraviolet.

**VAULT/TOMAS**

A proposed, but never developed, successor to the ARGON satellite mapping system.

**VRK**<sup>5, 25</sup>

**Very Restricted Knowledge.** A NSA administrative COMINT flag.

**NALNUT**<sup>40</sup>

A compartmented TOP SECRET security system administered by the Office of Naval Intelligence for the GRAB ELINT satellite project. It replaced the SECRET level TATTLETALE security system.

**Wallpaper**<sup>24</sup>

A name given to attempts to reduce the U-2's radar signature under Project RAINBOW through the use of plastic material containing a printed circuit designed to absorb radar pulses in the 65 to 85-MHZ range.

**WINDFALL**

Access and control system assigned to the imagery product of the SENSINT Program.

**WRSP-1**<sup>24</sup>

**1st Weather Reconnaissance Squadron,**

~~TOP SECRET//TK//RSEN//NF//25X1~~

**Provisional.** The cover name given to the first U-2 operational detachment, which consisted of four aircraft.

**WS-117L**

The umbrella Air Force development effort in the 1950s for reconnaissance satellites stemming from Rand's Project FEEDBACK. It eventually included three main components-MIDAS, SENTRY (later SAMOS), and DISCOVERER (CORONA).

**WS-119L**

Air Force Program number assigned to the Genetrix reconnaissance balloon project in 1955-56. A follow-on project in 1958 was called **WS-461L**.

~~TOP SECRET//TK//RSEN//NF//25X1~~