

~~TOP SECRET~~ ~~ZARF/UMBRA~~

BYE-138842/91
25 September 1991

25X1

MISSION 7200



Series B

MISSION 7200 (GLORIA)

V-115

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Handle Via BYEMAN-
TALENT-KEYHOLE-COMINT
Control Systems Jointly

25X1

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MISSION 7200

MISSION DESCRIPTION

- Mission 7200 is a general search SIGINT overhead collection system that intercepts pulsed radar emitters.
- Intercepted pulses are formed into signals, characterized, identified and geolocated []
- RF Range:
 - 30 - 38 GHz (GLORIA I)
 - 18 - 26 GHz (GLORIA II)

25X1

V-116

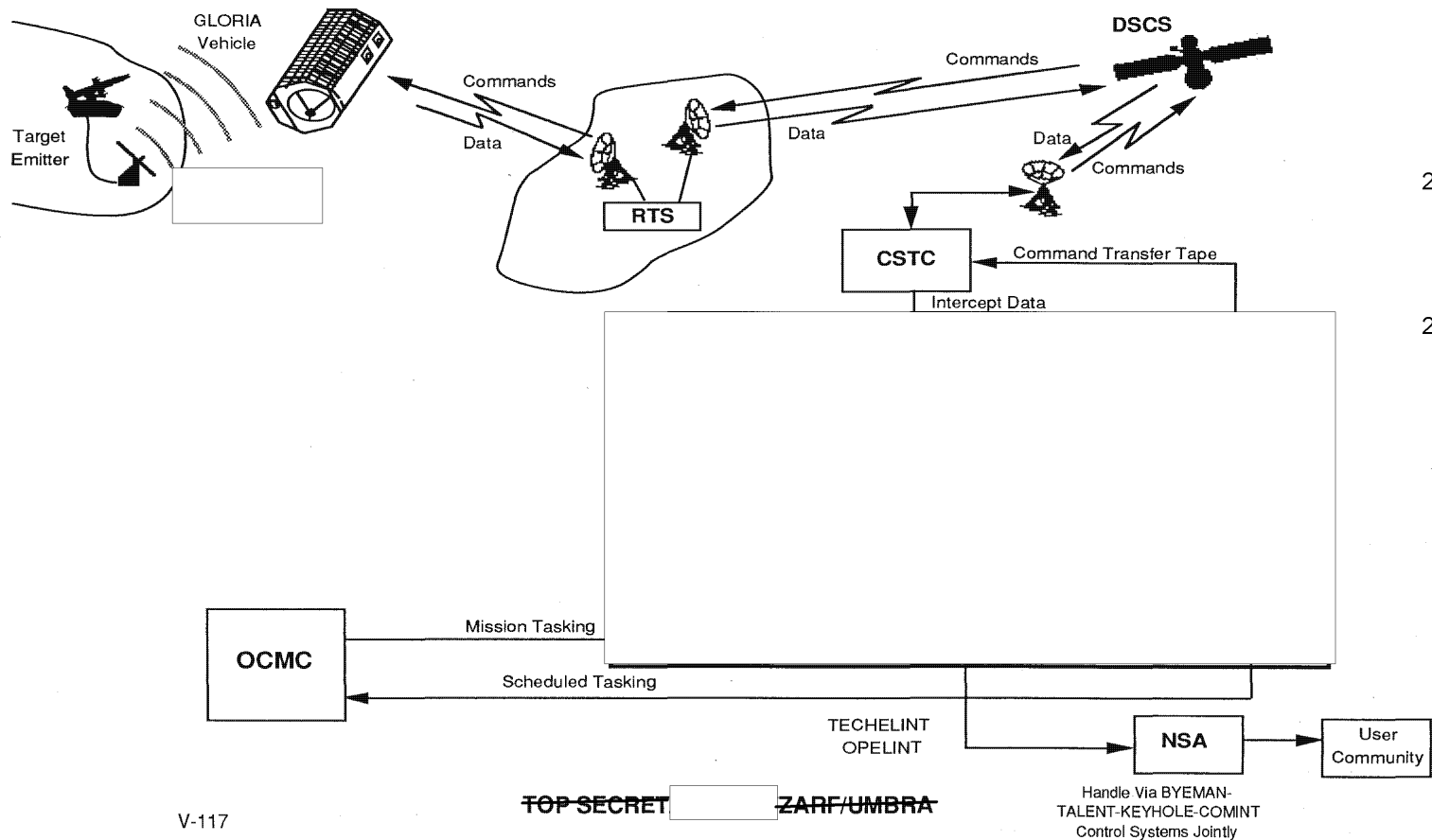
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~~TOP SECRET~~ [REDACTED] ~~ZARF/UMBRA~~BYE-138842/91
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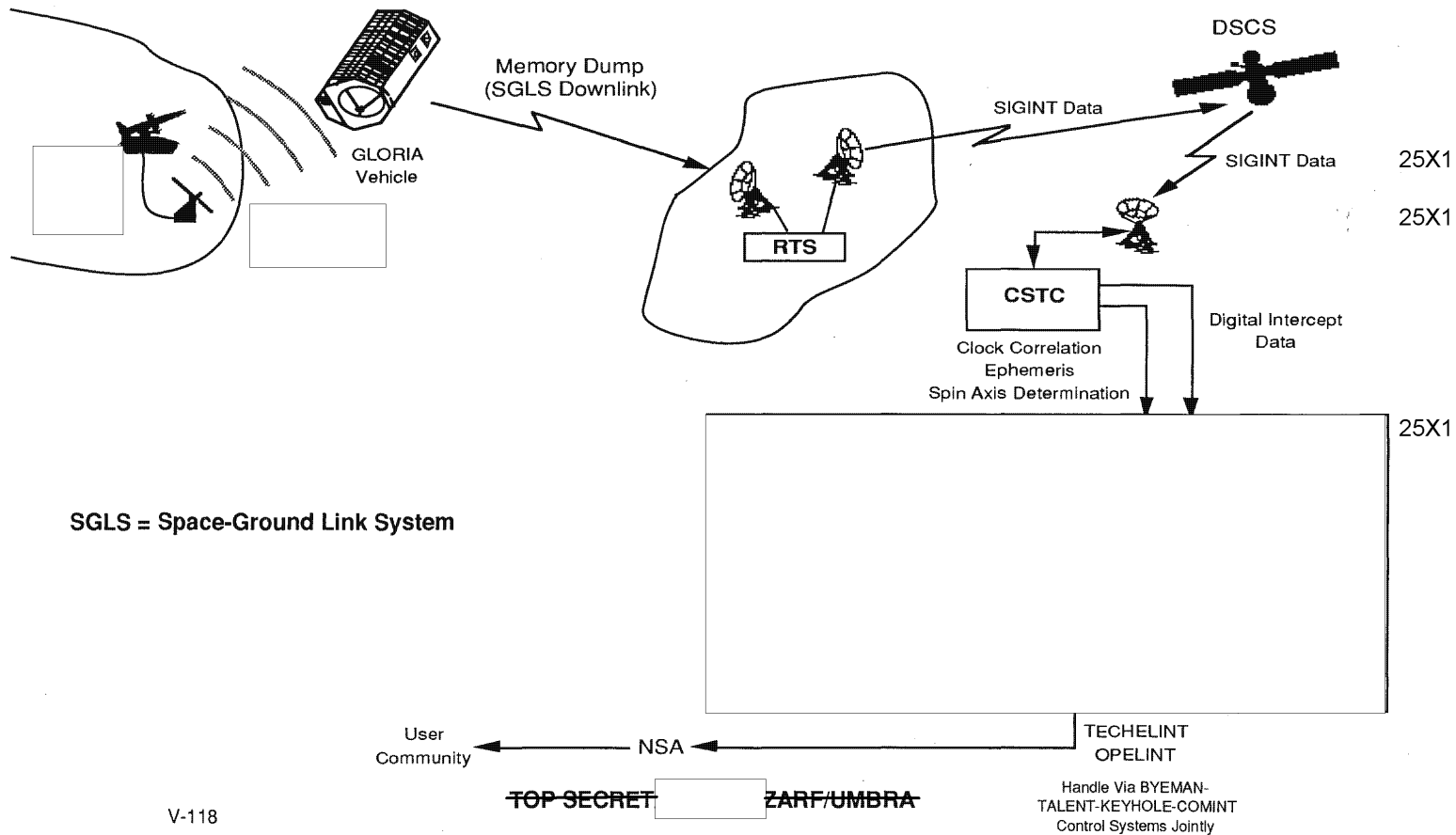
MISSION 7200

OPERATIONAL OVERVIEW



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PROCESSING & DISSEMINATION SCENARIO

V-118

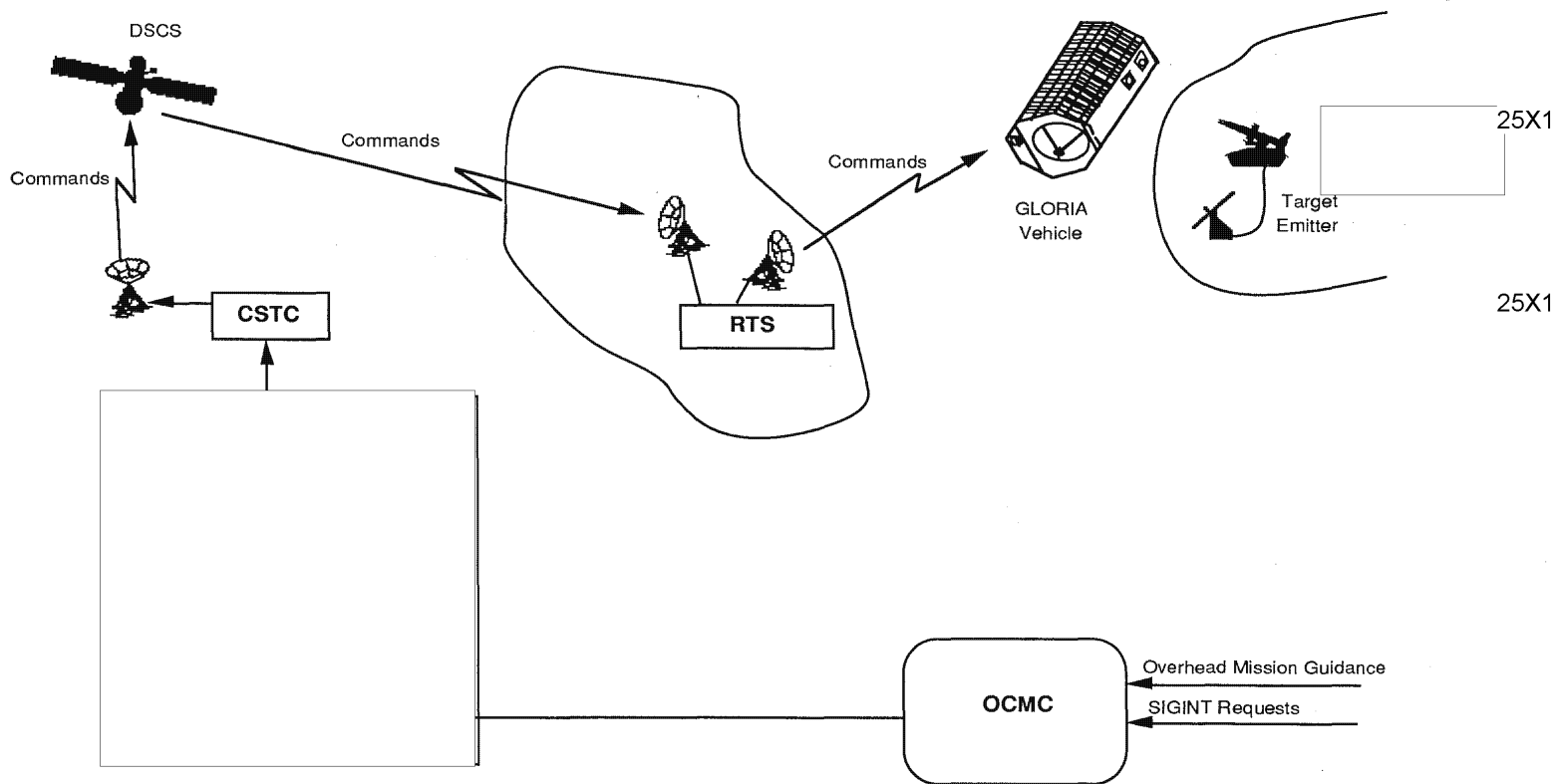
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TASKING SCENARIO



V-120

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TASKING SCENARIO

- Mission tasking originates at the OCMC and is transmitted [REDACTED]
[REDACTED]
- The tasking is then sent [REDACTED] to the Mission Planning Subsystem (MPS) where a Command Transfer Tape is created and then sent to the CSTC.
- The MCC at the CSTC converts the Command Transfer Tape into GLORIA commands which are sent via DSCS to an RTS where they are transmitted to the GLORIA vehicle.

25X1

V-121

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VEHICLE MATRIX

<u>VEHICLE</u>	<u>FREQUENCY</u>	<u>FEEDS/ ANTENNAS</u>	<u># RECEIVERS TYPE/BW</u>	<u>SPACE/GROUND PROCESSORS</u>	<u>UPLINK & DOWNLINK CAPABILITIES</u>	<u>TOTAL RECEIVERS</u>
GLORIA I 7243	30-38 GHz	1/Dual polarized solid dish (cross-linear)	1 channelized receiver/ 64 channels 250 MHz/channel	<div style="border: 1px solid black; width: 150px; height: 35px; margin: 0 auto;"></div>	1 kbps uplink commands 32 kbps downlink telemetry & mission data	1 (64 receiver channels) 25X1
GLORIA II 7244	18-26 GHz	TBD	TBD	TBD	1 kbps uplink commands 32 kbps downlink telemetry and mission data	TBD

V-122

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