

DSN Assets and Capabilities

February 2026

GDSCC - Goldstone, CA

DSS-15 HEF
DSS-24 BWG-1
DSS-25 BWG-2
DSS-26 BWG-3
DSS-23 BWG-4

DSS-14 70m
DSS-13 R&D
DSS-28 GAVRT

Signal Processing Center SPC-10
Emergency Control Center

CDSCC - Canberra, Australia

DSS-45 HEF
DSS-34 BWG-1
DSS-35 BWG-2
DSS-36 BWG-3
DSS-33 BWG-4

DSS-43 70m

Signal Processing Center SPC-40

MDSCC - Madrid, Spain

DSS-65 HEF
DSS-54 BWG-1
DSS-55 BWG-2
DSS-56 BWG-3
DSS-53 BWG-4

DSS-63 70m

Signal Processing Center SPC-60

Other Assets

DSN Project Office
Pasadena, CA

Deep Space Operations Center (DSOC)
Pasadena, CA

Remote Observation Center (ROC)
Monrovia, CA

DTF-21 Monrovia, CA
CTT-22 Mobile
MIL-71 KSC, FL

Freq. Band	S Up	S Down	X Up	X Down	K/Ka Up	K/Ka Down
Deep Space	2.11-2.12	2.29-2.3	7.145-7.19	8.4-8.45	34.2 - 34.7	31.8-32.3
Near Earth	2.025-2.11	2.2-2.29	7.19-7.235	8.45-8.5	22.55-23.15	25.5 - 27.0

Legend

Decommissioned

Future DAEP

Delivered DAEP

Grey - Decommissioned
20kW now - Will be upgraded to 80kW
400W - Future delivery

- - Deep space band only, * - near earth only
- ♦ - Future DAEP/DLEU/DSN deliveries
- - By Permission only for deep space level

Antenna	Sub-Net	S-Band		X-Band			Near Earth K-Band		Deep Space Ka-Band		Optical 1550nm	Est. Deliv. Dates
		Up	Down	Up	Down	Radar	Up	Down	Up	Down	Down	
DSS-14	70m	20kW•	√	20kW	√	500kW						5/2028
DSS-15	34m HEF	250W	√	20kW	√							
DSS-23	34m BWG	400W*	♦	20kW	♦					♦		8/2026
DSS-24	34m BWG	20kW	√	20kW	√		250W	√		♦		TBD
DSS-25	34m BWG	400W*	♦	20kW	√				400W	√		5/2027
DSS-26	34m BWG	400W*	√	80kW	√		250W	√		√		
DSS-33	34m BWG			80kW	♦					♦		10/2029
DSS-34	34m BWG	20kW	√	20kW	√		250W	√		√		
DSS-35	34m BWG	400W*	♦	20kW	√				400W	√		6/2026
DSS-36	34m BWG	400W*	√	20kW	√		250W	√		√		
DSS-43	70m	100kW• 400W*	√	80kW•	√							
DSS-45	34m HEF	250W	√	20kW	√							
DSS-53	34m BWG	400W*	♦	20kW	√		250W	♦		√		5/2026
DSS-54	34m BWG	20kW	√	20kW	√			√		√		
DSS-55	34m BWG	400W*	♦	20kW	√				400W	√		3/2027
DSS-56	34m BWG	400W*	√	20kW	√		250W	√		√		
DSS-63	70m	20kW	√	20kW•	√							TBD
DSS-65	34m HEF	400W*	√	20kW•	√							