

Initial Estimated Costs and Timelines for the 1755-1780 MHz Band (5/12/2014)

Entity	Microwave		TRR		ACTS		PGM		Video		TT&C (SatOps)		AMT		Robotics		UAS		Misc. Systems		Other Costs (\$M)	Timeline for Funds** (months)	Total Estimated Costs (\$M)
	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)	TTL* (mos.)	Costs (\$M)			
DOD Army	39	43.200	12	17.700					36	30.650			39	27.700	24	0.000	63	532.879	18	0.000	57.692	120	709.821
DOD Navy/MC			60	157.569	63	12.359	48	41.177	51	0.000	12	0.982	105	107.170	48	127.743	48	232.082	87	636.617	81.263	120	1,396.962
DOD Air Force					66	68.153			66	7.703	12	24.966	120	348.427	66	4.646	66	36.829	12	0.000	53.237	123	543.961
DOD DSO/CIO																					247.000	120	247.000
DHS	36	4.269							42	459.601											26.275	80	490.145
DOJ	30	3.000							42	1089.284					30	3.960	30	8.086				96	1,104.330
DOC	22	0.350															9	0.000				60	0.350
DOI USGS	36	37.068																				72	37.068
DOI NPS									24	8.946												30	8.946
DOE	30	6.800																				48	6.800
DOT FAA	12	0.433																				60	0.433
HUD									24	0.024												21	0.024
NASA													21	1.537								18	1.537
Treasury									12	7.801												60	7.801
VA									15	0.275												12	0.275
USAID									0	0.150												3	0.150
USCP									12	0.000													-
Other																					20.000	120	20.000
Total Estimated Costs (\$M)	95.120		175.269		80.512		41.177		1,604.434		25.948		484.834		136.349		809.876		636.617	485.467			4,575.603

Federal Entity Abbreviations

DOD Army: Department of Defense, United States Army
DOD Navy/MC: Department of Defense, United State Navy/Marine Corps
DOD Air Force: Department of Defense, United States Air Force
DOD DSO/CIO: Department of Defense, Defense Spectrum Organization/Chief Information Officer
DHS: United States Department of Homeland Security
DOJ: United States Department of Justice
DOC: United States Department of Commerce
DOI USGS: United States Department of the Interior, United States Geological Service
DOI NPS: United States Department of the Interior, National Park Service
DOE: United States Department of Energy
DOT FAA: Department of Transportation, Federal Aviation Administration
HUD: United States Department of Housing and Urban Development
NASA: National Aeronautics and Space Administration
Treasury: United States Department of the Treasury
VA: United States Department of Veterans Affairs
USAID: United States Agency for International Development
USCP: United States Capitol Police

System Description

Microwave: Fixed Point-to-Point Microwave Systems
TRR: Tactical Radio Relay
ACTS: Air Combat Training Systems
PGM: Precision Guided Munitions
Video: Video Surveillance
TT&C (SatOps): Satellite Telecommand, Tracking and Command (TT&C) Operations
AMT: Aeronautical Mobile Telemetry
Robotics: Land Robotic Video Systems
UAS: Unmanned Aerial Systems
Misc Systems: Operations other than those described above, including testing, training, and exercises involving Electronic Warfare, use of Software Defined Radio systems, and Tactical Targeting Networking Technology.
Other Costs: Estimated costs not directly tied to a particular system, such as for transition support and program management identified by the federal entity. (May include classified systems.)

* The "Transition Timeline" (TTL) is the estimated maximum number of months from the start of the transition period (the date on which the auction concludes) and when relocation will be complete or when coordination within protection zones is expected to begin pursuant to applicable sharing criteria and arrangements. The conclusion of the auction is the date on which an auction of eligible frequencies concludes in accordance with Section 309(j)(16)(B) of the Communications Act of 1934, as amended.

** The "Timeline for Funds" identifies the estimated maximum time period during which the federal entity will use amounts received from the Spectrum Relocation Fund (SRF) for these systems (represented by the number of months after transfer from the SRF when the entity estimates it will complete using SRF funds).