

2016 Global Conference on Space and the Information Society

National Aeronautics and Space Administration



SPACE COMMUNICATIONS AND NAVIGATION

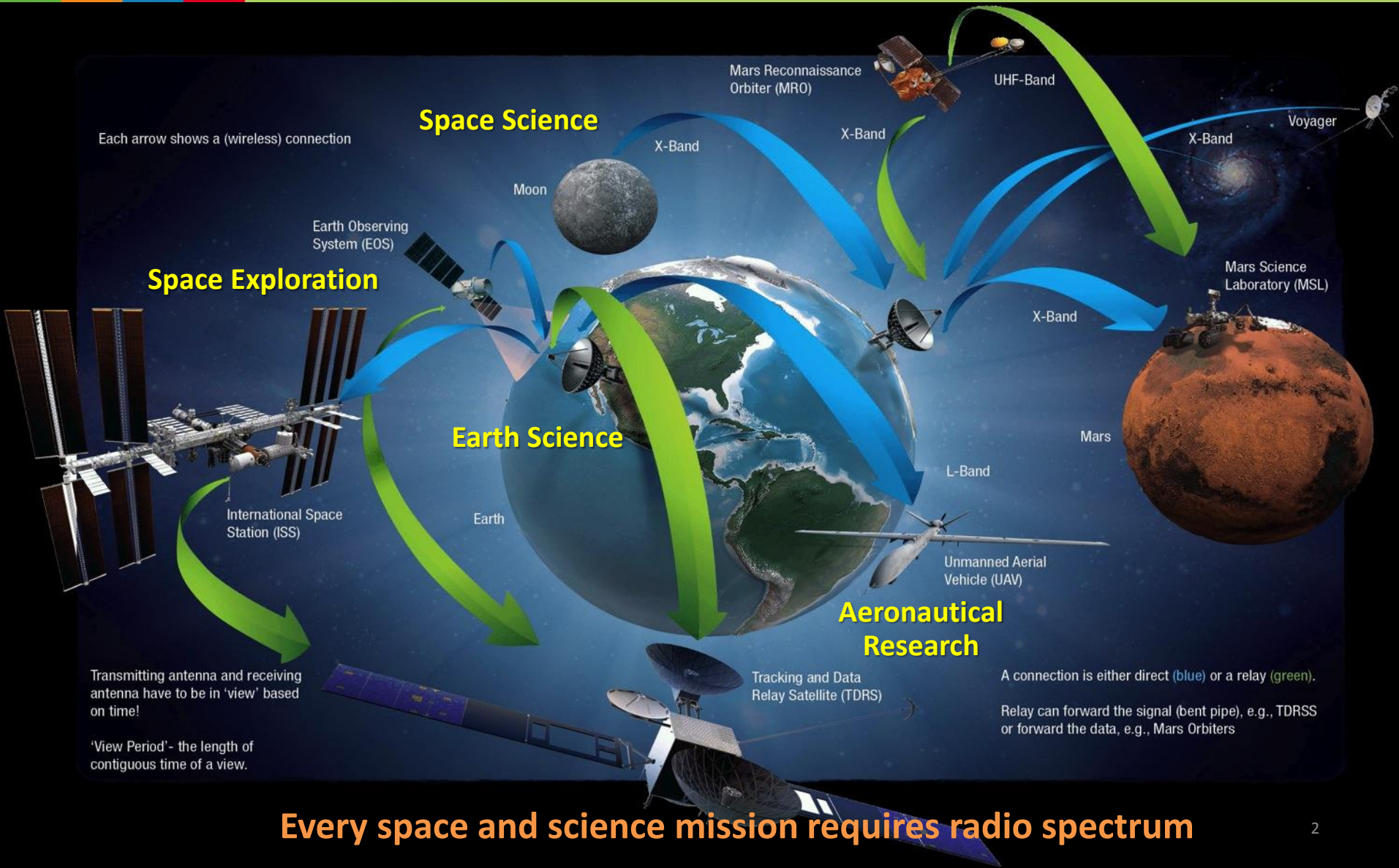
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Uses of Spectrum for the Science Services





WRC-15 Achievements for Science Services

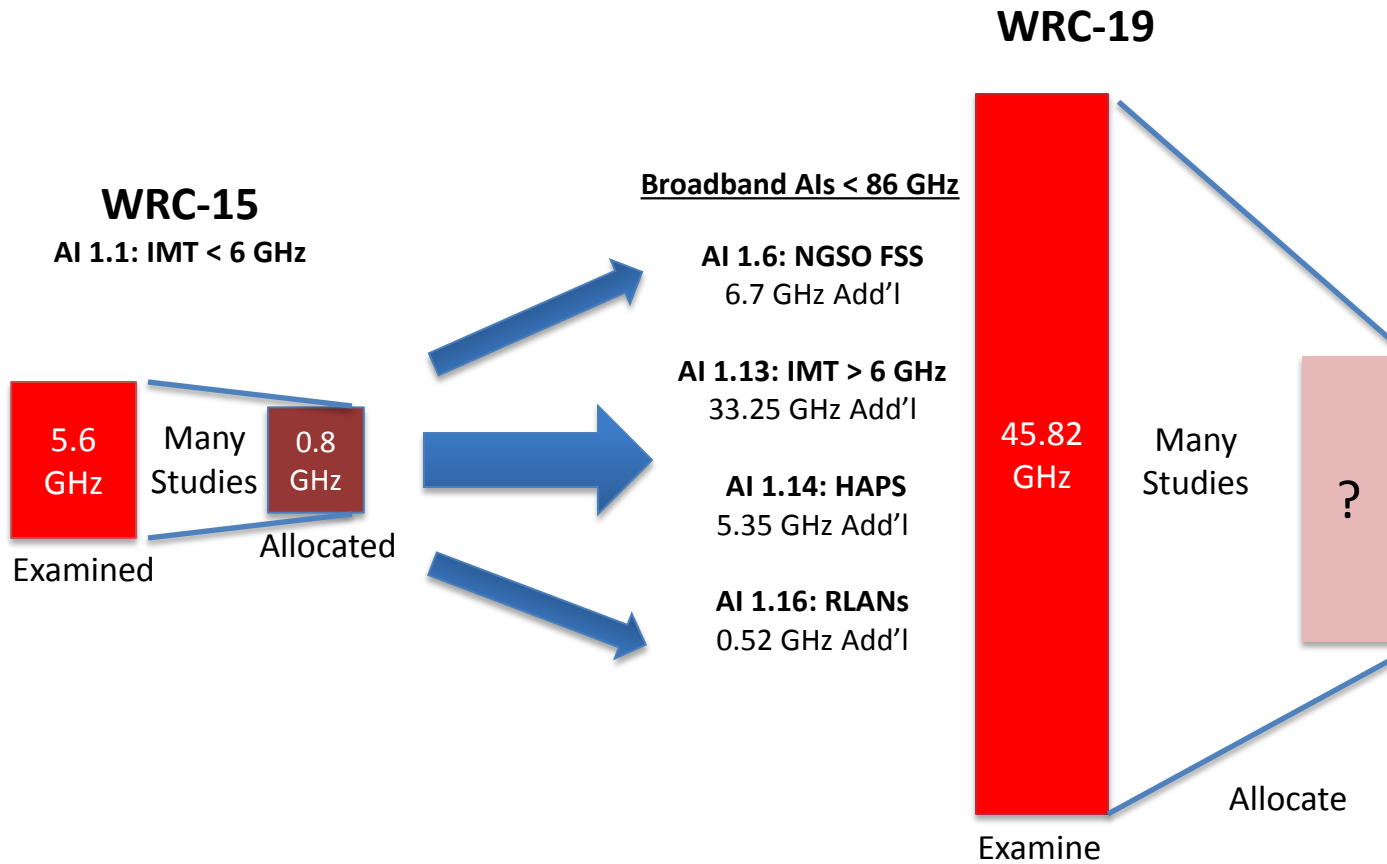


- Primary EESS (Earth-to-space) allocation in 7190-7250 MHz range for TT&C to help alleviate congestion in the 2 GHz bands
- Primary EESS (active) allocation in 9200-9300 MHz and 9900-10400 MHz with acceptable provisions to protect existing services.*
- Reduced previous limits on use of 410-420 MHz for SRS operations near the ISS
- Increased pre-coordination distance between SRS ground stations and aircraft mobile stations in 2200-2290 MHz
- New provision clarifying the use of deep space frequency allocations during near-Earth phases of deep space missions

* Agreement needed to operate over 8 countries



Spectrum for Broadband





Conclusion

