

# United States Telecommunications Training Institute Radio Frequency Spectrum Management

Presented by  
National Telecommunications and Information Administration

June 12 -June 16, 2023

DAY 1 – Monday June 12

9:15 - 9:30	Opening Comments	Jim O'Connor, USTTI
9:30 - 10:00	Opening Remarks	Scott Patrick Executive Director NTIA Office of Spectrum Management
10:00 - 10:15	Administrative and Other Information	Eric Rosenberg NTIA Spectrum Affairs and Information Div.
10:15 - 11:00	An Overview of Spectrum Management	Eric Rosenberg NTIA Spectrum Affairs and Information Div.
11:00 - 12:00	Telecommunications Laws, Regulations and Organization	Joseph Gattuso Department of Commerce Commercial Law Development Program
12:00 - 1:00	<i>LUNCH (On Your Own)</i>	
1:00 - 2:00	Spectrum Management Tools: Table of Allocations, the ITU Red Books and related publications	LiChing Sung NTIA Spectrum Affairs and Information Div.
2:00 - 3:00	The U.S. Federal Government Spectrum Management Processes (IRAC and comparing the FCC to NTIA processes)	John Alden NTIA Spectrum Affairs and Information Div.
3:00 - 3:15	<i>Break</i>	
3:15 - 4:15	The U.S. Federal Communications Commission	Ron Repasi FCC Office of Engineering & Technology
4:15 - 5:15	Participant Presentations: "My Spectrum Management Agency" - 1	Student Participants
5:15	Wrap-up / Open Q&A	Eric Rosenberg NTIA Spectrum Affairs and Information Div.

# United States Telecommunications Training Institute

## Radio Frequency Spectrum Management

**DAY 2: Tuesday, June 13**

<b>9:00 - 9:05</b>	<b>Daily Update</b>	<b>Eric Rosenberg NTIA Spectrum Affairs and Information Div.</b>
<b>9:05 - 10:00</b>	<b>Overview of the ITU and ITU Radio Communication Sector (ITU-R)</b>	<b>LiChing Sung NTIA Spectrum Affairs and Information Div.</b>
<b>10:00 - 11:00</b>	<b>Next Generation Spectrum Management</b>	<b>Rajendra Singh World Bank Senior Regulatory Specialist</b>
<b>11:00 -12:00</b>	<b>Participant Presentations: “My Spectrum Management Agency” - 2</b>	<b>Student Participants</b>
<b>12:00 - 1:00</b>	<b><i>LUNCH (On Your Own)</i></b>	
<b>1:00 - 2:00</b>	<b>U.S. Coast Guard and the International Maritime Organization</b>	<b>Pamela Murray &amp; Michael Leehey U.S. Coast Guard Communications Strategic Planning and Policy Branch</b>
<b>2:00 - 3:00</b>	<b>National Science Foundation Spectrum Management</b>	<b>Jonathan Williams National Science Foundation Astronomical Sciences Division</b>
<b>3:00 - 4:00</b>	<b>Amateur Radio and Spectrum Management</b>	<b>Jon Siverling American Radio Relay League</b>
<b>4:00</b>	<b>Wrap-Up / Open Q&amp;A</b>	<b>Eric Rosenberg NTIA Spectrum Affairs and Information Div.</b>

# United States Telecommunications Training Institute

## Radio Frequency Spectrum Management

DAY 3 - Wednesday, June 14:

9:00 - 9:05	Daily Update	Eric Rosenberg NTIA Spectrum Affairs and Information Div.
9:05 - 10:00	U.S. Government's International Disaster Communications Program	Joseph Burton U. S. Department of State Technology and Security Policy
10:00 - 11:00	U.S. Government Disaster Communications and Spectrum Management	Scott Jackson NTIA Office of Public Safety Communications
11:00 - 12:00	First Responder Network (FirstNet)	Tiffany Perry First Responder Network (FirstNet) Senior Public Safety Advisor
12:00 - 1:00	<i>LUNCH (On Your Own)</i>	
1:00 - 2:00	FAA Spectrum Management	Michael Weiler FAA Spectrum Engineering Services
2:00 - 3:00	Spectrum Measurements and Monitoring	Michael Weiler & James Aviles FAA Spectrum Engineering Services
3:00 - 4:00	Participant Presentations: "My Spectrum Management Agency" - 3	Student Participants
4:00	Wrap-Up / Open Q & A	Eric Rosenberg NTIA Spectrum Affairs and Information Div.

# United States Telecommunications Training Institute

## Radio Frequency Spectrum Management

**DAY 4 – Thursday, June 15:**

<p><b>Leave at 8:30</b></p> <p><b>9:00 - 11:00</b></p>	<p>Field Trip to the U. S. Agency for Global Media, Washington, DC</p> <p><b>** BRING YOUR PASSPORT **</b></p>	<p>Ken Claerbout &amp; Jeremy Groce U. S. Agency for Global Media</p>
<p><b>11:00 - 1:00</b></p>	<p><i>Return to USTTI: Lunch (On Your Own)</i></p>	
<p><b>1:00 - 2:00</b></p>	<p>Introduction to Spectrum Engineering</p>	<p>Mohammed Shamma NTIA Spectrum Engineering and Analysis Div.</p>
<p><b>2:00 - 3:00</b></p>	<p>Land Mobile Radio</p>	<p>Mohammed Shamma NTIA Spectrum Engineering and Analysis Div.</p>
<p><b>3:00 - 4:00</b></p>	<p>Participant Presentations: “My Spectrum Management Agency” - 4</p>	<p>Student Participants</p>
<p><b>4:00</b></p>	<p>Wrap-Up / Open Q &amp; A</p>	<p>Eric Rosenberg NTIA Spectrum Affairs and Information Div.</p>

# United States Telecommunications Training Institute

## Radio Frequency Spectrum Management

DAY 5 – Friday, June 16

9:00 - 9:05	Daily Update	Eric Rosenberg NTIA Spectrum Affairs and Information Div.
<del>9:05 - 10:00</del>	<del>Spectrum Economics</del>	<del>Giulia McHenry FCC Office of Economics and Analytics</del>
10:00 - 11:00	Domestic and Regional Preparations for WRC-23	John Alden NTIA Spectrum Affairs and Information Div.
11:00	Thanks, Certificates, Photo-Op	Jim O'Connor USTTI  Eric Rosenberg NTIA Spectrum Affairs and Information Div.

# **United States Telecommunications Training Institute Radio Frequency Spectrum Management**

Held at: **U. S. Telecommunications Training Institute**  
1150 Connecticut Ave. NW  
7<sup>th</sup> Floor – Suite 702  
Washington, DC 20036

Course leaders:	Eric Rosenberg, NTIA	202-413-2279
	Jim O'Connor, USTTI	202-785-7373
	Jamal Anderson, USTTI	202-785-7373