



SPRING TIDE SPRING OUTLINE AGENDA

Command and Control (C2) Track

Monday

- An example of a C2 core network using a Services Orientated Approach (SOA) approach to host external C2 systems
- C2 to Simulation Interoperability (Joint session with the M&S Track)

Tuesday

- Mission Thread Workshop: scene setter (Joint session with the EA Track)
- Mission Thread Workshop: Step 1 of the development guide (JISR as the Use Case)

Wednesday

- Mission Thread Workshop: Step 2 of the development guide (JISR as the Use Case)
- Mission Thread Workshop: Step 2 and beyond

Thursday

- Multi-level and cross-domains gateways for C2 Interoperability as an enabler for a Persistent Federated Approach (Joint session with the TIDCE Track)
- Multi-level and cross-domains gateways for C2 Interoperability - an example of fighting information leakage
- Multi-level and cross-domains gateways for C2 Interoperability - Part 3
- Command and Control Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Command and Control of the information Environment (C2 of the IE) Track

Monday

- C2 of IE Track Introduction
- Command and Control of the Information Environment - Concept Overview
- Individual Elements of C2IE

Tuesday

- New Trends in Social Media
- Exploiting Social Media
- A view from the Operational level

Wednesday

- Data Collection and Management best practices
- Human Networks Analysis - Current Research Work in RTG-HFM-248
- C2 of the IE Track Discussion

Thursday

- The Persistent Federated Approach (PFA) (Joint Session with C2 and TIDCE)
- Fighting Information Leakage Through a Network
- Big Data Study by the NATO Industry Advisory Group (NIAG) Study Group (SG) 208 (Joint Session with C2 and Logistics)
- Utilising Big Data on the Battlefield
- C2 of the IE Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Communications Track

Monday

- Communications Track Introduction
- Introduction into the C2 functional concept for Ubiquitous Communications
- Presentation of the NATO Industry Advisory Group (NIAG) Study Group (SG) -216, Ubiquitous Communications

Tuesday

- Ubiquitous Communications - Session 1, 2, 3

Wednesday

- FMN Communications Plan (joint session with the FMN Track)
- FMN Communications Roadmap
- FMN Goes Tactical (Joint session with the Technology Track)

Thursday

- TACOMS Architecture (Joint session with the Enterprise Architecture Track)
- Communications Services Architecture
- Communications Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Cyber Defence Track

Monday

- Cyber Defence Track Introduction
- International Cyberspace Operations Planning Curricula (ICOPC)
- Cyberspace Domain Roadmap – Update
- Allied Joint Publication (AJP)-3.20 – Cyber Doctrine review

Tuesday

- Federated Cyber Operations
- Federated Cyber Operations / Objective Workshop 1 and 2

Wednesday

- Service Management and Cyber processes integration (Joint session with Service Management track)
- Federated Cyber Defence
- NATO Computer Incident Response Capability (NCIRC)

Thursday

- Cyber Defence Crisis Management Case Study
- Enterprise Architecture Hackathon Cyber Challenge Result Deep Dive
- Cyber Defence Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Enterprise Architecture Track

Monday

- Enterprise Architecture Track Introduction
- Technology Update on the Unified Architecture Framework (UAF)
- Mood and Enterprise Architecture Challenges

Tuesday

- JISR Mission Thread Development - part 1, 2, 3 (Joint session with C2 Track)

Wednesday

- M&S as a tool to better understand capability requirement and assess solution architectures (Joint session with M&S Track)
- An Architectural Approach to Service Management Capability Development (Joint session with SMC Track)
- C3 Taxonomy - Current Status and Future Development

Thursday

- TACOMS EA (joint session with Communications Track)
- EA Hackathon Cyber Defense Challenge Results Deep Dive (Joint session with Cyber Defence Track)
- Enterprise Architecture Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Federated Mission Networking (FMN) Track

Monday

- FMN Track Introductions
- FMN secretariat update on Federation progress
- Confirmation – Joining Managing and Exiting Instructions (JMEI) and Fielded baseline status

Tuesday

- FMN Training prepared by NATO
- FMN in exercises including NRF 18 Preparation
- FMN Capability Planning Working Group (CPWG) M&S syndicate (Joint session with the M&S Track)

Wednesday

- FMN communication and awareness plan
- Session 8 (France)
- Session 8 (USA)

Thursday

- FMN enhancement of day 1 connectivity with Partners
- Communication and awareness - FMN seminar February 18 content
- Wrap of the FMN Track and collection of recommendations for the FMN Community of Interest.

Friday

- TIDE Sprint Summary and Track lead Out briefs

Logistics Track

Monday

- Logistics Track introduction
- Autonomous systems - risk and chance for NATO logistics
- Military Internet of Things

Tuesday

- 3-D Printing - the future? - Additive manufacturing as logistics enabler, session 1
- 3-D Printing - the future? - Additive manufacturing as logistics enabler, session 2

Wednesday

- Modelling & Simulation, Rapid Deployment and Inter-Theatre Movement Europe (RDIM-E), session 1
- Modelling & Simulation, Rapid Deployment and Inter-Theatre Movement Europe (RDIM-E), session 2

Thursday

- Logistics Track Wrap-up
- Big Data implications on Logistics

- Logistics Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Maritime Situational Awareness (MSA) Track

Monday

- Track Introduction
- Remote C2 of unmanned robots: Constraints, steps forward of an interoperability framework and its exercise in CWIX
- FMN Service Instructions for a Recognised Maritime Picture (RMP)

Tuesday

- Review of Use Cases, testing of Unmanned Robot at CWIX 2017
- MSA in France

Wednesday

- Review of MSA Interoperability Profile
- Unmanned robot contributions to enhance the Recognized Maritime Picture (RMP): The underwater domain

Thursday

- MSA Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Modelling & Simulation (M&S) Track

Monday

- M&S Track Introduction
- Simulation in Collective Training
- C2 to Simulation Interoperability (Joint session with the C2 Track)

Tuesday

- Science and Technical Organisation (STO) Modelling and Simulation Group (MSG)-136 - Modelling and Simulation as a Service (MSaaS)
- FMN CPWG M&S syndicate (Joint session with the FMN Track)

Wednesday

- M&S as a tool to better understand capability requirement and assess solution architectures
- Rapid Deployment and Inter-Theatre Movement Europe (RDIM-E) (Joint session with the Logistics Track)
- ACT Core Sim 2020 workshop - Session 1

Thursday

- NIAG SG-216 Federation of clouds (Joint session with the Technology Track)
- ACT Core Sim 2020 workshop - Session 2
- M&S Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs

Service Management Track

Tuesday

- Welcome and Administrative Remarks
- Quality Monitoring and Reporting in NATO Enterprise
- Overview of Service Management tool situation, technical and procedural interoperability; and Service Management Capability Roadmap 2017 - 2022

Wednesday

- Cyber Defence and Service Management and Control (SMC) process integration - doctrinal, technical and operational interoperability
- German Cyber Defence Capabilities for deployable networks / FMN mission networks - Development and way ahead
- An Architectural Approach to Service Management Capability Development
- Service Management Programme of Work 2017 and Service Management as part of the FMN Focus Area at CWIX Execution 2017
- IT Service Management in FMN

Thursday

- Germany Roadmap for developing Service Management capabilities as an FMN option A affiliate
- Understanding the Service Management Authority within the scope of the Centralized Service Level Agreement (SLA)
- Level of service integration by Signal Support Group (SSG) Deployed Network Operating Centre (DNOC) in multi-provider environment
- Round Table on Common Service Management Objectives and Opportunities + Key Findings and Recommendations from Track, and preparation for the Out-brief

Friday

- TIDE Sprint Summary and Track lead Out briefs

Technology Track

Monday

- Track Introduction
- X-Road: Introduction
- X-Road: Technical Architecture
- X-Road: Service Provisioning, Approval, Registration and Management

Tuesday

- X-Road: Open-source Community and Roadmap
- X-Road: Service integration
- X-Road: Demonstrator Scenario and Architecture at CWIX 2017

Wednesday

- Updates to Security and Interoperability profiles for REST services
- Updates to NATO Vector Graphics (NVG)
- IST-150 Introduction
- FMN Goes Tactical (Joint session with Communications track)

Thursday

- NIAG SG-216 Federation of clouds (Joint session with M&S track)
- Every cloud lives in the same sky
- X-Road: Demonstration of initial service integration
- Track Summary and Recommendations

Friday

- TIDE Sprint Summary and Track lead Out briefs

Technical Interoperability in a Data Centric Environment (TIDCE) Track

Monday

- TIDCE Track Introduction
- Data Centric Security (DCS) Scope and Vision for NATO – Update
- DCS from Experimentation to FMN Specification

Tuesday

- Dynamic Information Sharing and Safeguarding
- CWIX2016 Test Result
- Concept Development

Wednesday

- CWIX 2017 Architecture for White Box and Black Box Testing
- CWIX 2018 - The art of the possible and the generation after next for DCS
- ICAM, Interoperability and Trust Model

Thursday

- Multi-level and cross-domains gateways for C2 Interoperability - An enabler to Persistent Federated Approach (Joint session with C2)
- Dynamic Information Sharing and Safeguarding Concept / Product Review
- DCS from experiment to FMN Specification Report / Product Review
- CWIX 2018 DCS High Level Plan / Product Review
- TIDCE Track Wrap-up

Friday

- TIDE Sprint Summary and Track lead Out briefs