

General	
Group name	Infrastructure Transformation Subgroup (ITS)
Creation date / DTN Session	24 October 2018 Session
Dissolution (conditions or date)	Indefinite

Mission
<p>The Infrastructure Transformation Subgroup (ITS) of the Digital and Technology Network (DTN) is established to facilitate the exchange of knowledge and expertise and promote inter-agency cooperation and collaboration on ICT infrastructure-related matters within the UN system.</p> <p>The impact of cloud services will continue to be a dominant driver of change for ICT infrastructure and operations for the next several years. How the UN system can transform its ICT infrastructure to take advantage of this driver is a key focus area for the ITS. Cloud-specific areas of examination include:</p> <ul style="list-style-type: none"> • The use of public, private, hybrid and multi-cloud scenarios for the UN system. • Optimizing workloads for IaaS, PaaS and SaaS. • Cloud migration, backup and disaster recovery (DR). • Cloud governance. • Cloud cost models. <p>In addition to cloud concerns, the interests of the ITS will include, but are not restricted to, the following areas:</p> <ul style="list-style-type: none"> • Sharing of past successes / lessons learnt and exchanges on current priorities; • Using infrastructure enhancements to improve the speed of delivery; • Designing software-defined architectures; • Using provisioning and orchestration in support of automation and self-service • Using machine learning to enhance monitoring and predictive capabilities; • Sharing best practices related to identity, IT security engineering and operations, and compliance; • Evaluating tools that manage both data centre and cloud assets; • Collaborating on evaluation of new and proposed technologies and approaches; • Identifying areas for cost management and resource optimization; • Engaging leading vendors of common interest to share their vision, direction and product roadmaps; • Reviewing and advising on staffing and team structure models for ICT infrastructure teams within the UN system; • Recommending methods to expand the skill sets of infrastructure and operations practitioners within the UN system; • Finding partnership opportunities with private, public sector and academic institutions that support infrastructure transformation; and, • Providing updates to the DTN on transformational technologies and infrastructure trends of interest to the UN system.

Membership	Agency
Lead Agency	International Atomic Energy Agency
Participating Agency	TBD – Participating agencies include: All Members of the DTN
Participating Agency	
Participating Agency	

Chairmanship	Chair	Co-Chair
Full name	Michael Maldony	Kelly Teal

Job title	Head of Infrastructure and Enterprise Technology Architect	Unit Head, IT Infrastructure
Agency	International Atomic Energy Agency	International Atomic Energy Agency
Chairmanship duration	2 years	2 years

Scope	Detail
Relevant SDG goals/targets/indicators	The use of technology infrastructure is a critical enabler for the implementation of the Sustainable Development Goals as well as the broader mandates of the member organisations of the DTN.
Key technologies under review	Public, private, and hybrid cloud; IaaS, PaaS and SaaS solutions, software-defined architectures; orchestration and provisioning tools; DRI; identity, security, and compliance; infrastructure monitoring; machine learning and artificial intelligence.
Key stakeholder(s)	UN system CIOs, CTOs, Infrastructure and Operations managers, Technology Architects
Partnership(s) established/leveraged	New partnerships will be established within the infrastructure teams of UN system organizations; additionally, the subgroup will find partnership opportunities with private, public sector and academic institutions that support infrastructure transformation
Geographic scope	Global
Functional scope	ICT Infrastructure and Operations within the UN System
Other(s) – please specify	

Resources	Requirement
Personnel/expertise/time	ITS meetings are held every quarter. Sessions are expected to be held virtually to the extent possible. On-going dialogue between formal meetings will be supported by a collaboration platform and additional audio or video teleconferences as needed. Additionally, all members are encouraged to participate in the process of drafting ITS meeting agendas. It is expected that the membership will be the Infrastructure and Operations managers and/or Technology Architects from each DTN Member organization.
Funding	Not applicable
Other(s) - (Please specify)	Not applicable

Outcomes	Detail
Knowledge sharing	<ul style="list-style-type: none"> • Past successes / lessons learnt and exchanges on current priorities • New and proposed technologies and approaches; • Identity, security, and compliance; • Monitoring tools; • Areas for cost management and resource optimization; • Product roadmaps; • Staffing and team structure models; and • Expanding the skill sets of infrastructure and operations practitioners.
Deliverables	<ul style="list-style-type: none"> • Annual work programme of activities

	<ul style="list-style-type: none"> • Suggested action and improvement areas corresponding to the annual work programme of activities • Updates to the DTN at regular sessions, when requested. • Annual report of activities to the DTN Secretary • Other deliverables as requested by the DTN
Other (Please specify)	Not applicable