




# **DoD Enterprise Cyber Range Environment (DECREE) Technical Working Group (DTWG)**

## **Interface Standards Overview ITEA Presentation**

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**UNCLASSIFIED BRIEF**

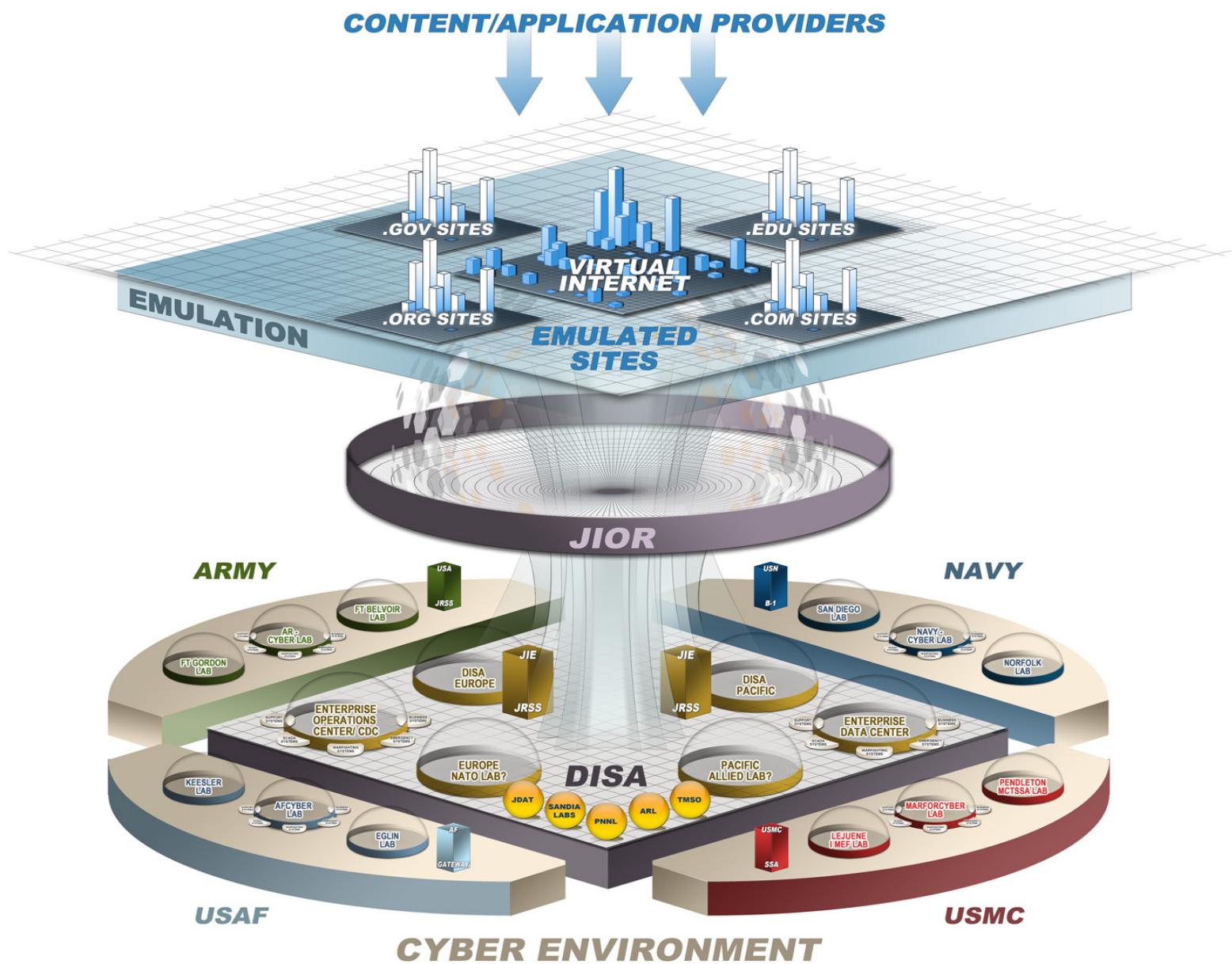
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- **Why do we need DECRE Interface Standards?**
  - **Interface Standards Goal**
  - **Development Approach**
  - **Summary/Questions**

## *Why do we need DECREE Interface Standards?*



- **Environment Setup is inefficient and time consuming**
- **Defining repetitive Internet Protocols (IP addresses, VLAN id, BGP, AS, MTU)**
- **Enable interoperability within cyber environment and range complexes**
- **Currently, cyber events are non-deterministic causing multiple setup problems with the identified requirements**
- **Foundation for Enterprise Architectures**

# Complex Environments

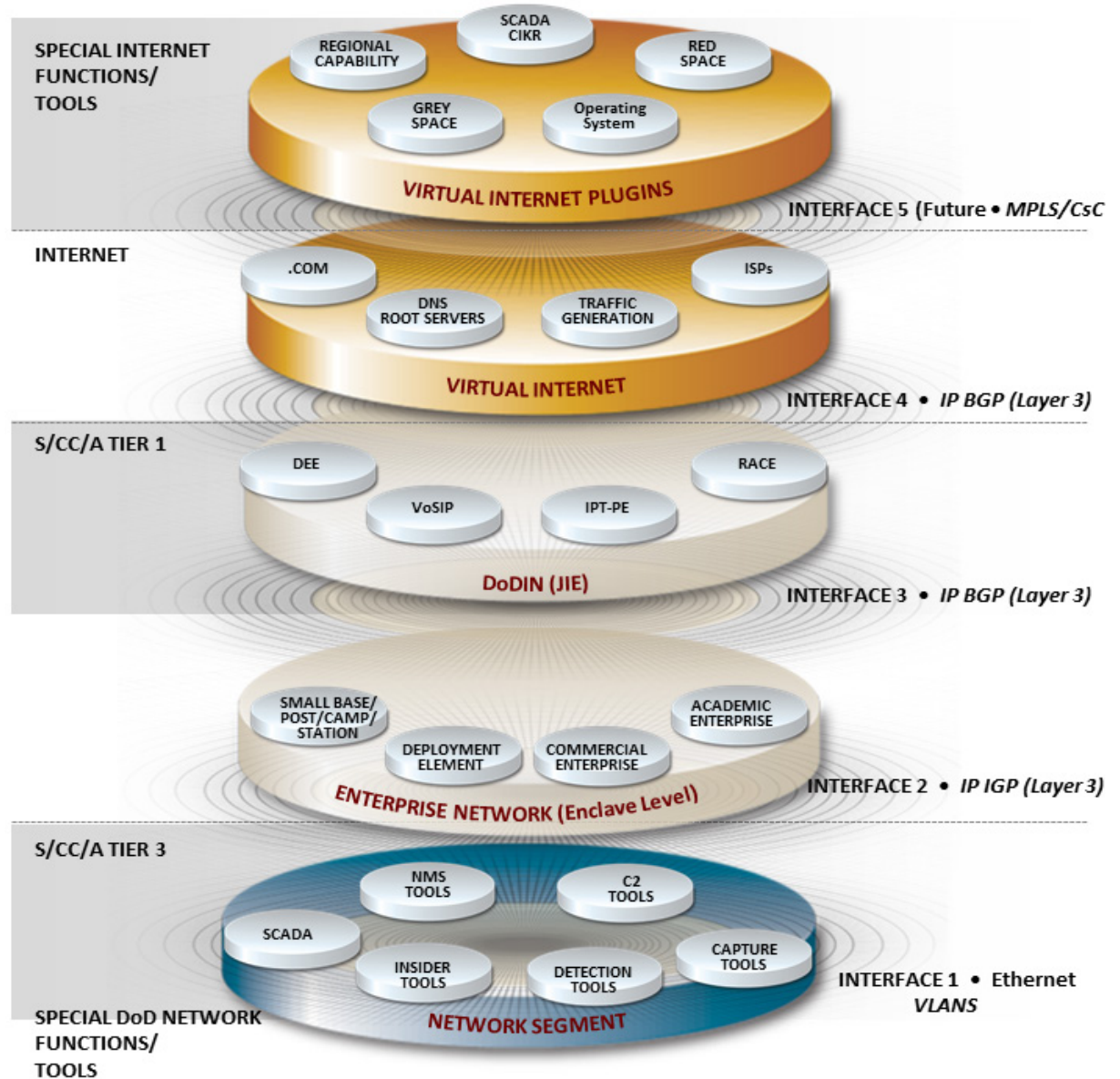


## *Interface Standards - Goal*

- **DECRE Charter – Synchronize efforts to promote effective and efficient utilization of the cyberspace domain**
- **DECRE Charter - Create a uniform method of connectivity for the cyber ranges, laboratories, and capability providers participating in distributed training, exercise and testing events**
- **Used as the standard reference for inter-site interoperability when multiple cyber ranges, laboratories and capability providers to create a single environment and/or range complex**
- **“Help Manual” for the following personnel:**
  - **Cyber Network Engineers / Architects**
  - **Cyber Environment Coordinators**
  - **Cyber Exercise Planners**
  - **Cyber Modeling & Simulation Planners**

# Defined Interfaces

Standards defines four present interfaces and one future interface and parameters to be applied



## *Development Approach*



- **Interface parameters are defined using Internet Standards (RFCs/IEEE)**
- **Use cases are provided for each interface highlighting required attributes for each protocol (802.1q VLAN, IP addresses, IBGP/EBGP parameters)**
- **Security best practices and STIG References for each interface**
- **JSAP**

**To meet the growing cyberspace threats, the DECRE Interface Standards defines specifications for effectively and efficiently connecting cyber ranges and cyber content providers in support of cyber training, assessments, testing, exercise, mission rehearsals and readiness evaluations.**





Questions?