1. Course Title

NATO Data Center Virtualisation

2. Identification Number (ID)

311

3. Purpose of the Course

To teach military and civilian personnel the fundamental knowledge required to setup and maintain a virtualised IT infrastructure environment.

4. Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Provide a description of the vSphere environment.
- Install and configure an ESXi Cluster and a vCentre Server.
- Configure virtual networking.
- Configure NFS, iSCSI and Fibre Channel Data Stores.
- Create and deploy virtual machines.
- Manage VM resource allocation, failover and live migration across physical hosts.
- Convert a physical computer to a virtual computer.
- Administer vSphere Global Security.
- Monitor and troubleshoot the virtual environment.

5. Qualification

Virtual Datacenter Admin

6. Student Criteria

Meet the stated background knowledge prerequisites.

7. Rank

All ranks and grades that meet the assignment criteria.

8. Language Proficiency

According to STANAG 6001: English SLP 3232.
9. Security Clearance

The course is unclassified and open to NATO/PFP countries

10. Course Length

5 working days

11. Special Instructions

12. Class Size
   - Maximum
   - Recommended
   - Minimum

12/8/4

13. Nomination Procedures

www.nciss.nato.int

14. Pre-course Study Material

15. Location

The course is conducted at the NATO Communications and Information Systems School (NCISS), Latina Italy.

16. Background Knowledge Prerequisites

Candidates should possess a system administration background with a general understanding of storage systems and TCP/IP networking.