NATO Communications and Information Agency

Dr Gernot FRIEDRICH
Principal Enterprise Architect

Dr Gernot Friedrich is working for the Director Service Strategy of the NATO Communications and Information (NCI) Agency since 01 July 2013 in the areas of Innovation and Enterprise Architecture. In this capacity he is responsible for the development and implementation of new transformational concepts such as Federated Mission Networking.

He started to work for NATO in the former NATO Consultation, Command and Control Agency (NC3A) on 1 August 1999 in the areas of Operations Research and Defence Planning.

Previously from January 2010 to June 2012, Dr Friedrich was assigned to the Chief Technology Officer. There he was from January 2010 to August 2011 the NC3A Technical Liaison Officer at Allied Command Transformation in Norfolk, VA. In this capacity he was in charge of developing a coherent architecture and programmatic approach for NATO's CIS capability packages and developing a CIS capability taxonomy for NATO. Among other duties, he represented NATO in the multinational Afghanistan Mission Network (AMN) Architecture Working which he chaired until January 2011. He assumed the position of the Lead AMN Architect in the AMN Secretariat in SHAPEs, Belgium from December 2011 to July 2012.

Prior to that, he served as the Agency's Chief Engineer and Lead Architect for the International Security Assistance Force from 2007. His responsibilities encompassed the technical coordination of the Agency's initiatives and projects to support the troops in Afghanistan and to implement an adaptable set of service oriented command and control tools for multinational staff elements. In 2008 in close coordination with US CENTCOM, he led the development of a concept to improve information sharing between different troop contributing nations within a single information domain. As a result he was made responsible for the implementation of the concept within NATO which concluded in the successful federation of the ISAF SECRET and CENTRIXS-ISAF networks in October 2009. This paved the way for the advent of the Afghanistan Mission Network in January 2010. In 2009 Dr Friedrich was also designing the C4ISR environment for the newly established ISAF Joint Command in Kabul and was leading the team that implemented the C4ISR systems within ten weeks.

From August 1999 to 2007, he worked in various capacities in the Operations Research Division of the NC3A, The Hague. During that time he either led or supported various high level projects and studies in the areas of Defence Planning and Business Architecture, in particular organisational analysis, experimentation of modern C2 concepts and information management.

From 1990 to 2005, Dr Friedrich served in the German Air Force. Within that period, he worked as a S6 leading the IT support unit of a technical maintenance battalion and as a Research and Teaching assistant at the Computer Science Department of the Federal Armed Forces University in Munich.

Dr Friedrich earned his Ph.D. in Systems Analysis from the Department of Computer Science at University of the German Armed Forces, Munich. He graduated Diplom-Informatiker (univ) (equivalent of a Master's Degree in Computer Science) from the same University and holds a degree equivalent to a bachelor in Business Administration and Management from the Open University Hagen.

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