

Complex Systems Engineering Modelling & Simulation







Mission Systems scenario





the development of more cost-effective system solutions Lecture Series SCI-176: "Mission Systems Engineering" - November 2006

Mission Systems scenario



Custome capabilit significai	rs are defining ies, which are h ht discussions		
fields: Chem defence			
 Intellig Surveil Air-to-g 			
 Comma Comba Strateg Lecture Se Air-to-a 			

Mission Systems scenario























Iounch ourvival kita









Lecture Series SCI-176: "Mission Systems Engineering" - November 2006

10





















the Sky-X





On board camera simulated proprietary image generator





















COMAOS, including training, similation technologies and management improve the knowledge of the potential of MTDS within NATO military communities

gather experience and derive learning to drive future NATO MTDS programmes Lecture Series SCI-176: "Mission Systems Engineering" - November







To prove the achievement of the goals a distributed simulation environment has been created.

Main connection points were: Thales ACE GR4 in UK (controlling the WAN), Alenia Aeronautica in Italy, FAF M2000 in France, IABG in Germany, RNLAF in Netherlands,











No two national procedures were identical.

(Mob) and the creation of a dedicated Project Security Instruction (PSI) with security instructions, release of information directives, access to facilities and security eetureaをional るいまでの「絶滅」の Systems Engineering" - November





Technologies



High Level Architecture (HLA)

The architecture is designed to be compatible with future implementations of the HLA: one of the advantages of specifying an architecture (as opposed to an implementation or a protocol) is precisely that all future advances in software technology, LetelecommanaGitationSystemsEnationTingCondeptsDeca906 be easily

Technologies





Lecture Series SCI-176: "Mission Systems Engineering" - November 2006

27





Federation Development and Execution Process (FEDEP)



Technologies





Technologies







THANK YOU for your attention

Questions?

Alenia Aeronautica Ibruni@aeronautica.alenia.it