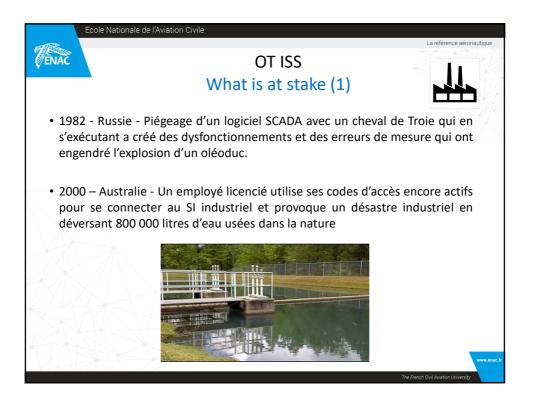


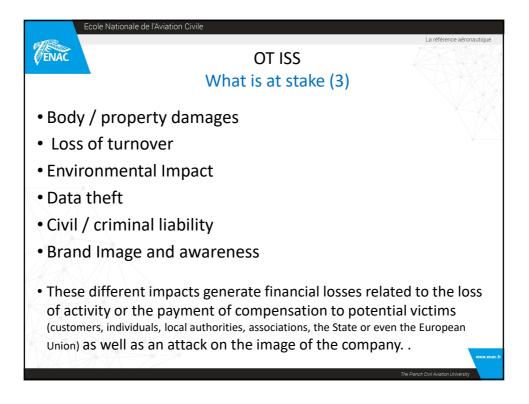
1 2	Is it OT or is it	11 ?	
2			
	High availability requires exhaustive pre-deployment testing		
3	Major risk impact is delay of business operations		
4	Differing and possibly proprietary operating systems, often without security capabilities built in		
5	Lifetime on the order of 3 to 5 years		
6	Components can be isolated, remote, and require extensive physical effort to gain access to them		
7	Service support is usually via a single vendor		
8	Tightly restricted access control can be implemented to the degree necessary for security		
9	Outages must be planned and scheduled days/weeks in advance		
10	Responses such as rebooting may not be acceptable because of process availability requirements		T
			-

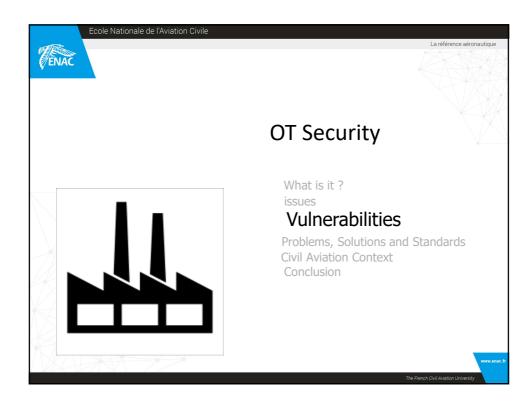


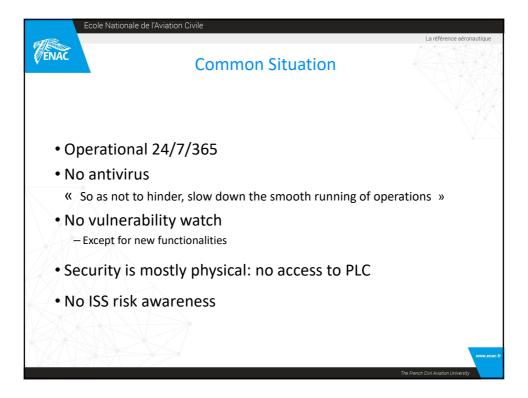


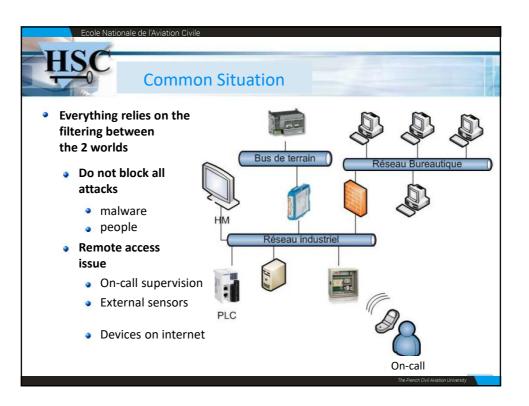


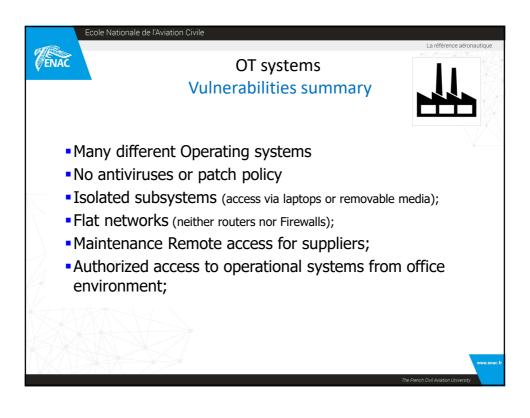


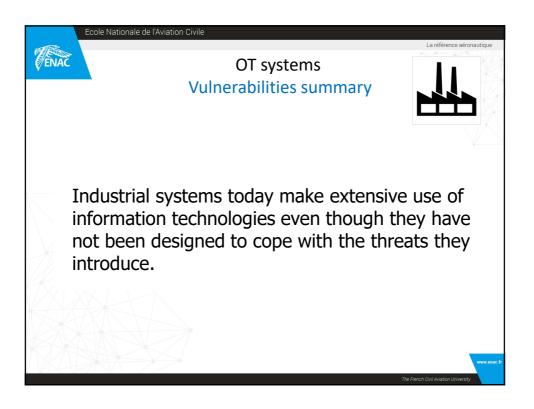


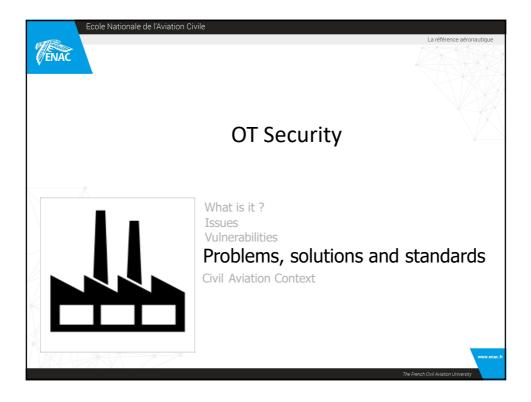


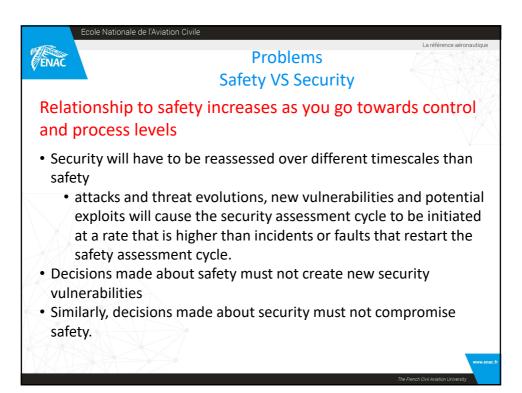


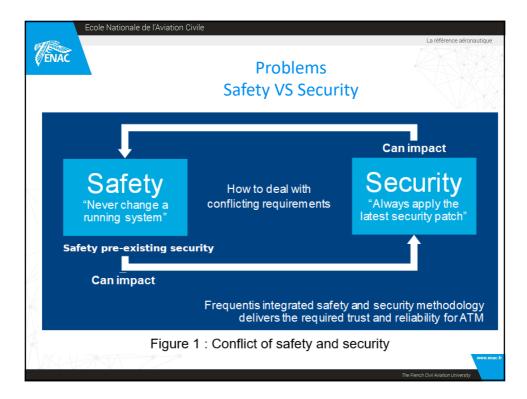




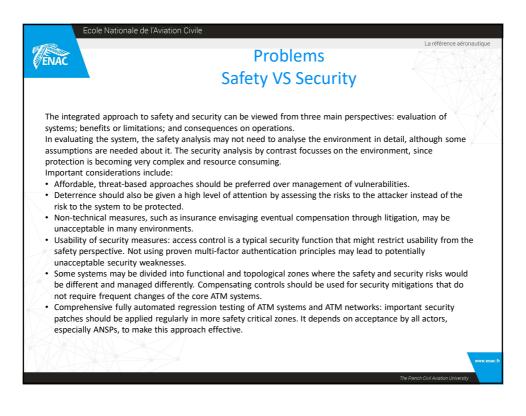


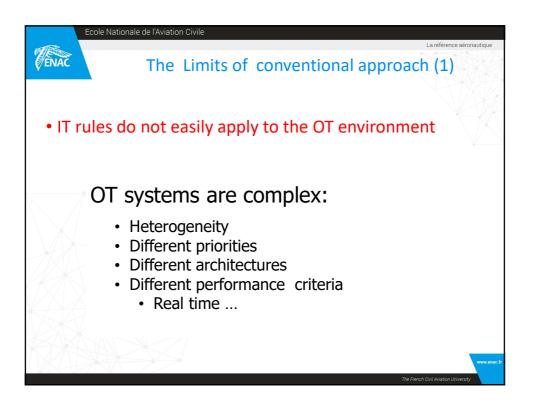


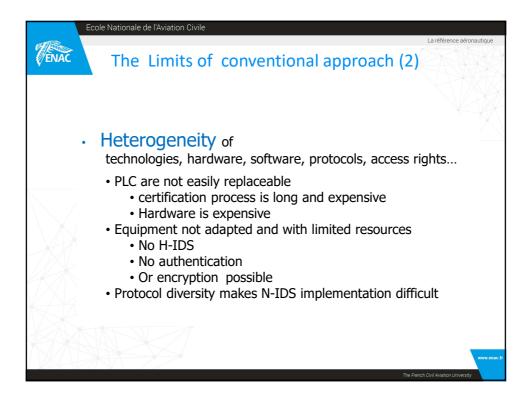


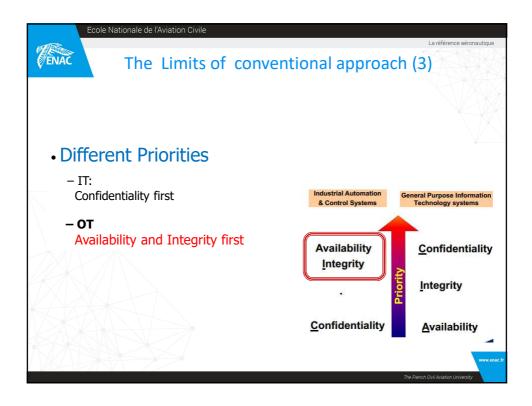


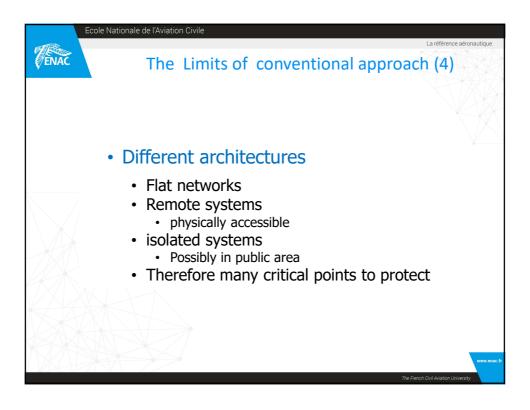


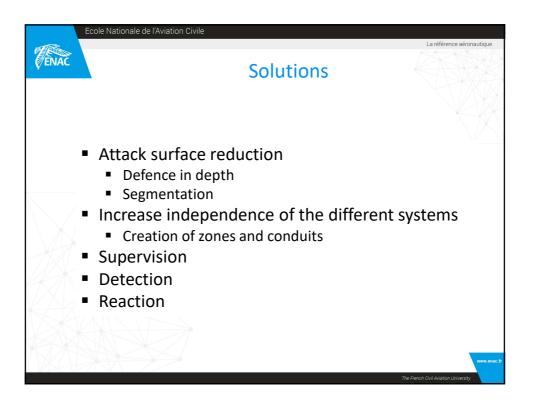


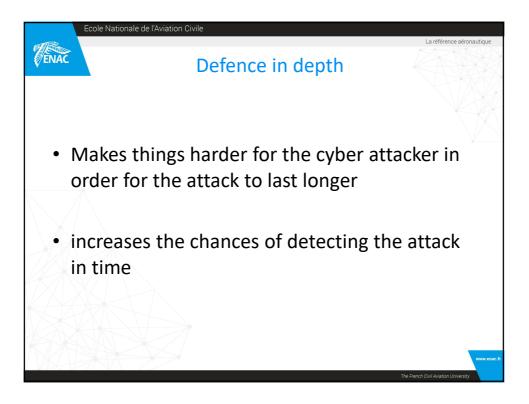


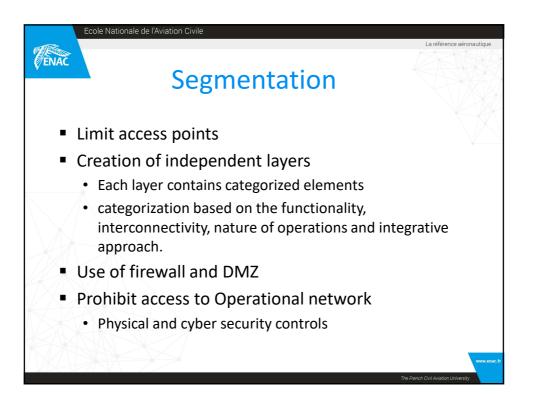




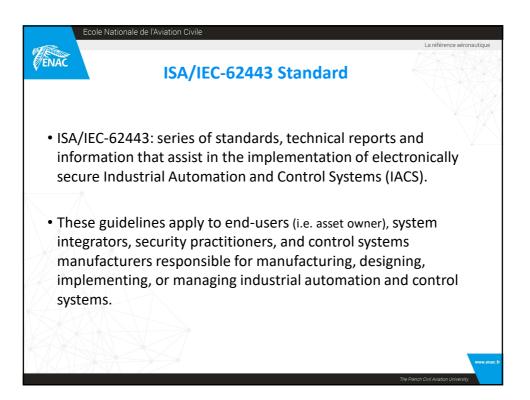




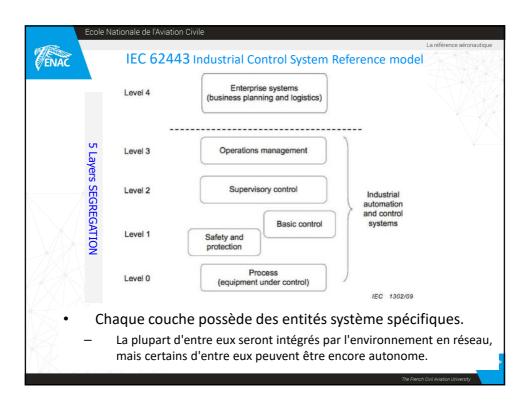


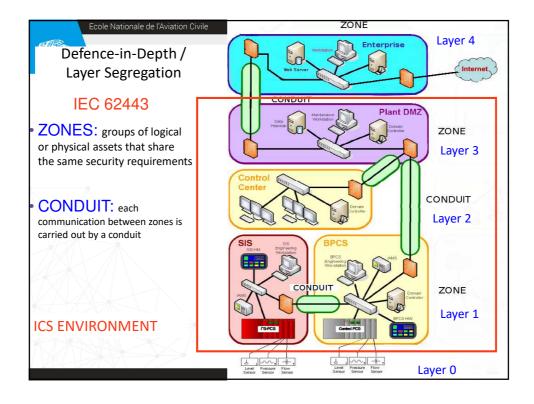


	Ecole Nationale d	e l'Aviation Civile		La référence aéronautiq
ÊN	AC	Two standards		
		Strengths	Drawbacks	Best if
1	NIST SP800-82	Single reference Free of charge Overview and controls Contains Parts of ISA/IEC62443	US federal centric	Learning more
2	ISA/IEC 62443	Complements NIS-CSF And ISO 27001 International Standard Rich of standards	Series of standards and other docs Partly in dev Paid for	Want to go deep Need auditable requirements
X				
				The French Civil Aviation University



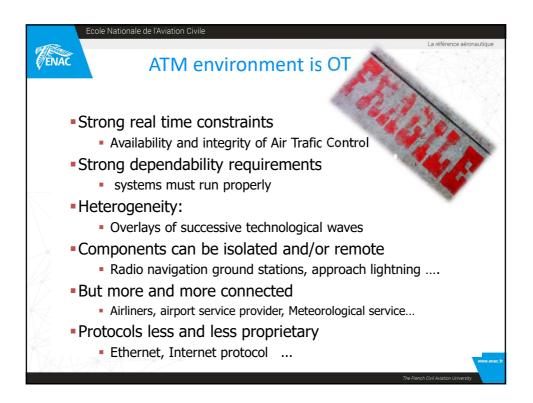
Ecol	e Nationale de l'Aviation Civile	
AFR.	La réfi	érence aéronautique
ENAC	IEC 62443 – Documents structure	
General	IEC 62443-1-1 (Ed 2) Terminalogy, concepts and models ISA-62443.1.1 IEC TR62443-1-2 Master glossary of terms and abbreviations ISA-62443.1.3 ISA-62443.1.3 ISA-62443.1.3 ISA-62443.1.3 ISA-62443.1.3 ISA-62443.1.3 ISA-62443.1.3 ISA-62443.1.4	
Policies & procedures	IEC 62443-2-1(Ed 2) Requirements for an IACS security management system ISA-62443.2.1 IEC TR62443-2-2 IBA-TR62443-2-2 IBA-TR62443.2.2 IBA-TR62443.2.2 IBA-TR62443.2.2	
System	IEC/TR 62443-3-1 Security technologies for IACS ISA-62443.31 ISA-62443.32 ISA-62443.32 ISA-62443.32 ISA-62443.33	
Component	IEC 62443-4-1 Product development requirements IBA-62443.4.1 IEC 62443-4-2 Technical security requirements for IACS components ISA-62443.4.2	
	Norme publiée Norme en croclasion développement) Prévu
	The French Civil Avid	www.enac.f

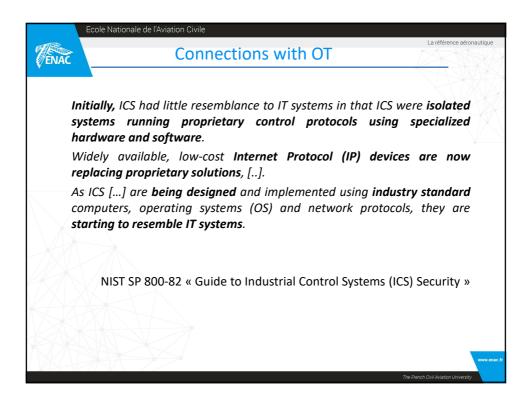




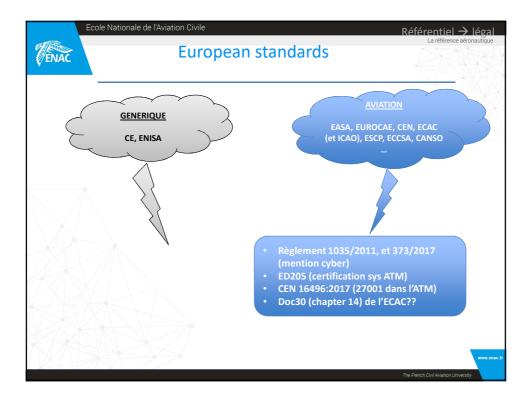


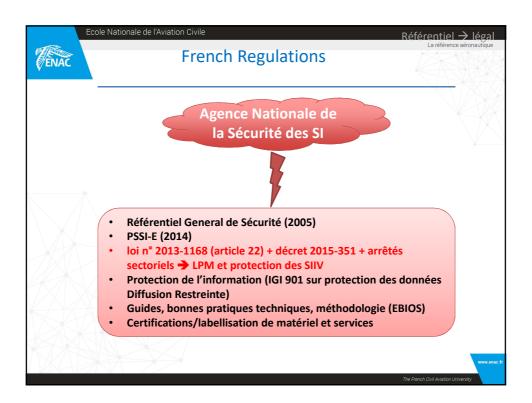


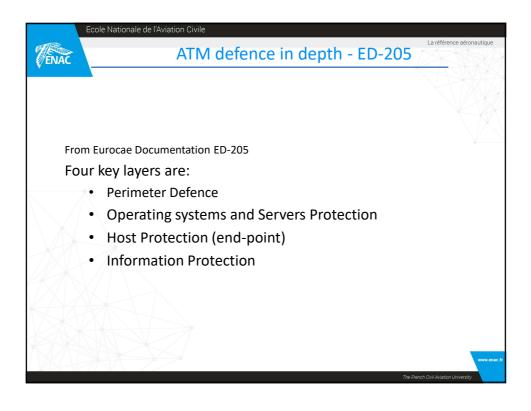


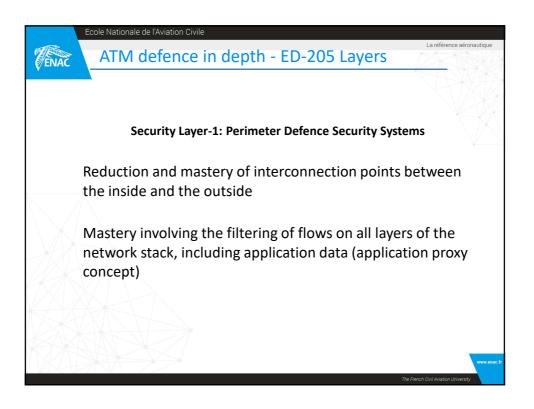


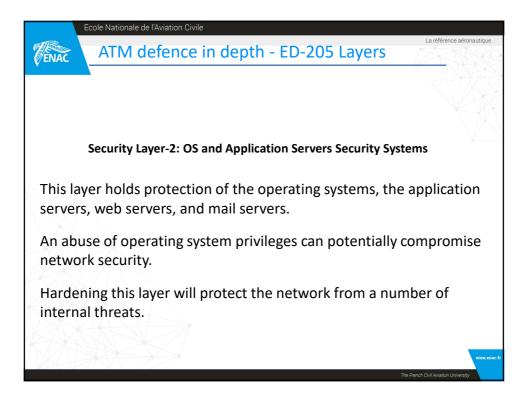


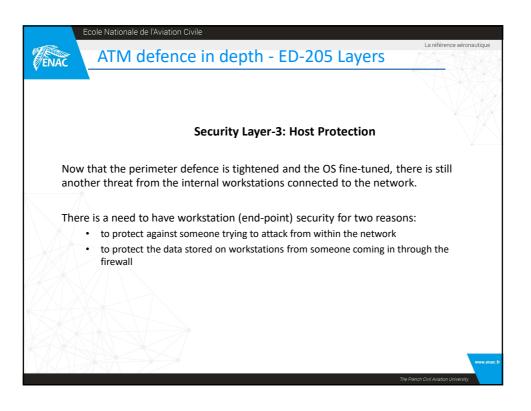


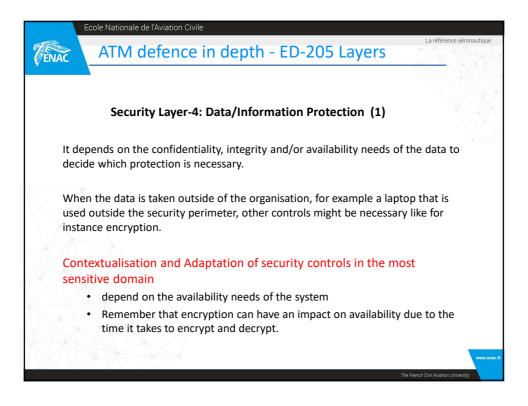


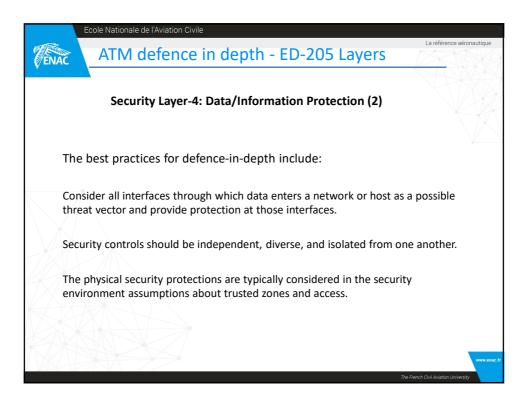


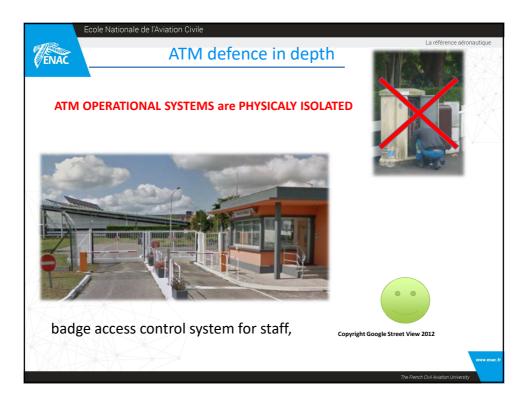


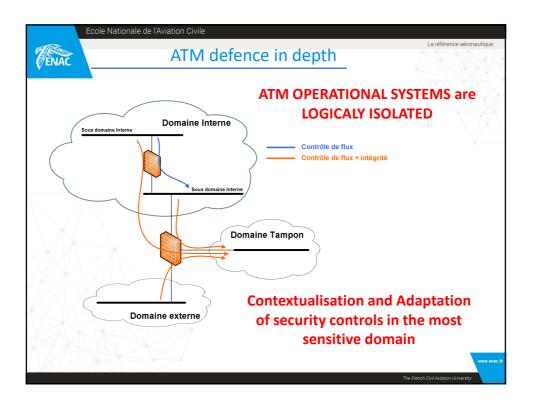


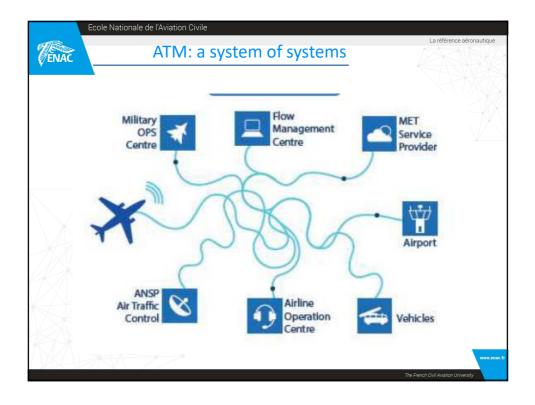




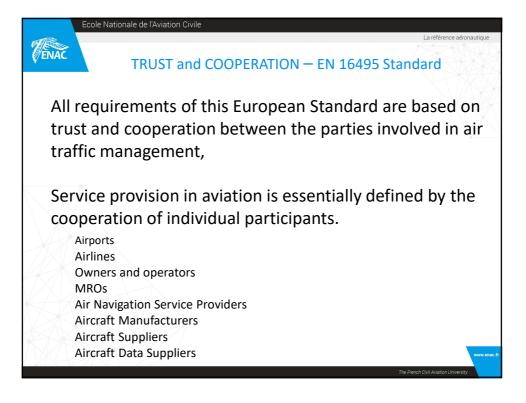


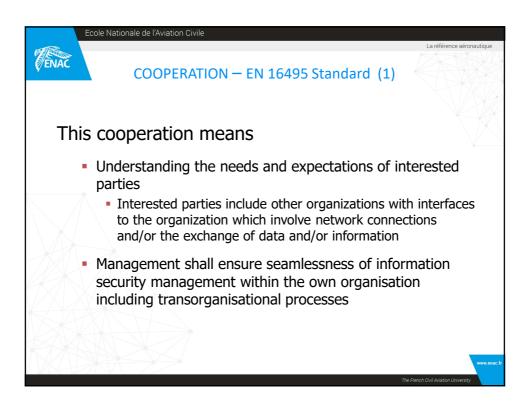


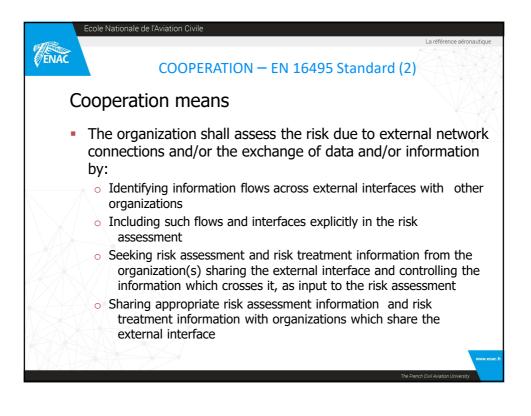


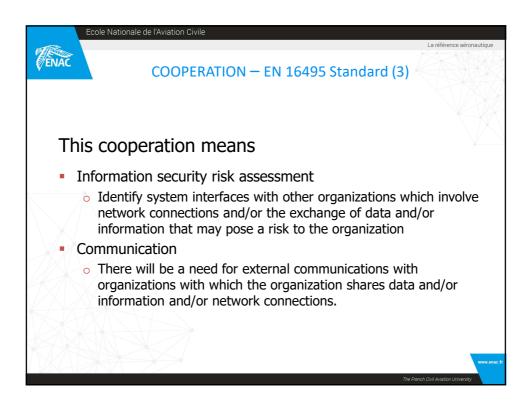


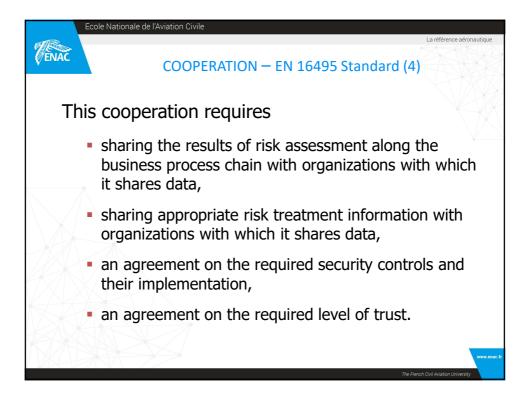


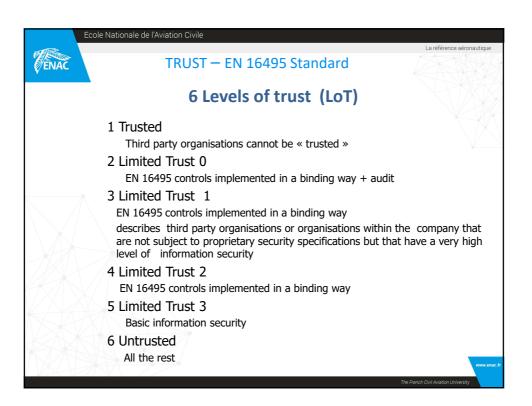


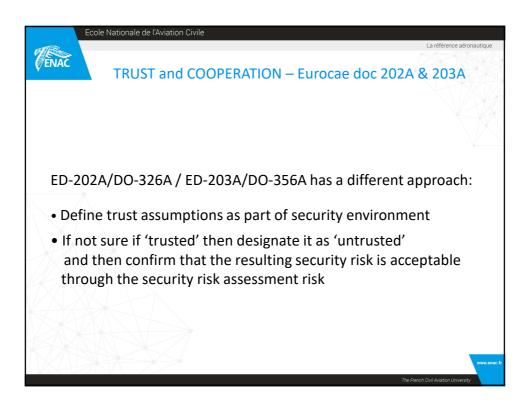


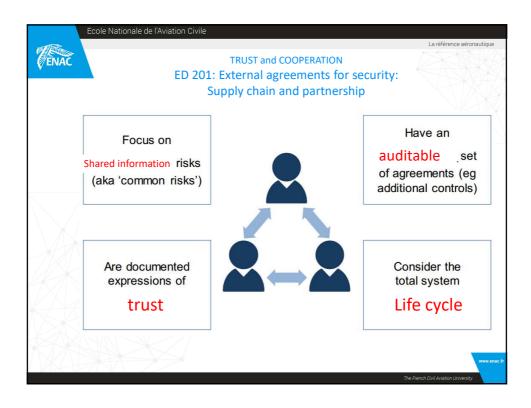


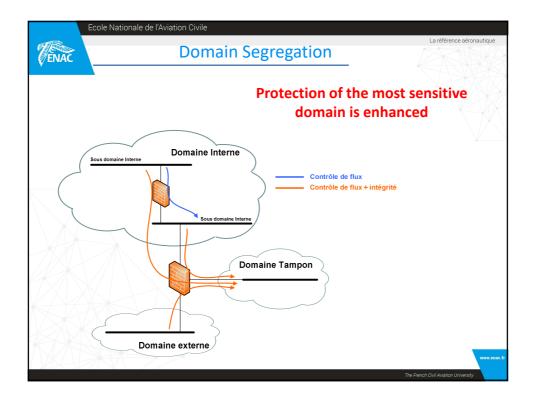


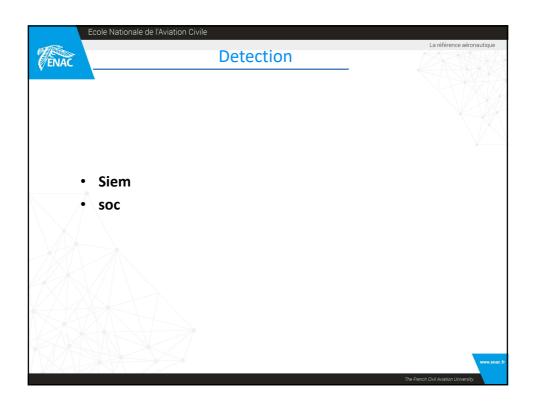


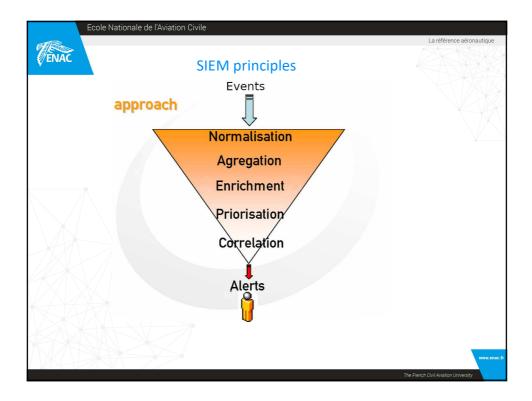


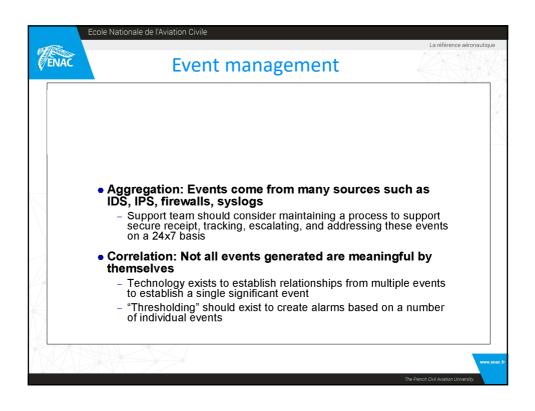




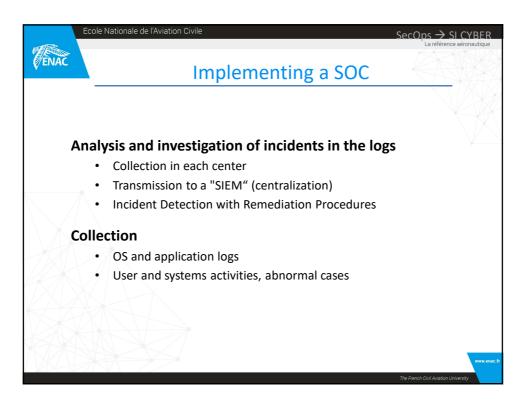


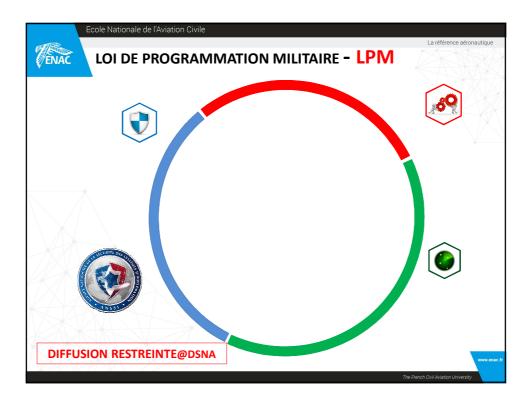












Ecole Natio	onale de l'Aviation Civile	La référence aéronautique
ENAC	DIFFUSION RESTREINTE@DSNA	
SOC – OF	RGANISATION	www.etac.fr
		The French Civil Aviation University



