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SSAS Thales implementation

ES2 WS3-2011 Bled/Slovenia - 21 September 2011

Thales SMS general presentation

Thales SMS Background experience

SWALs allocation

SWALs objectives and activities

SWALs results documentation

Manufacturer EC compliance demonstration

Summary and open questions

**ICAO Annex11/2001****Doc 9859/2009 SMM****Regulation****(EC) 2096/2005**

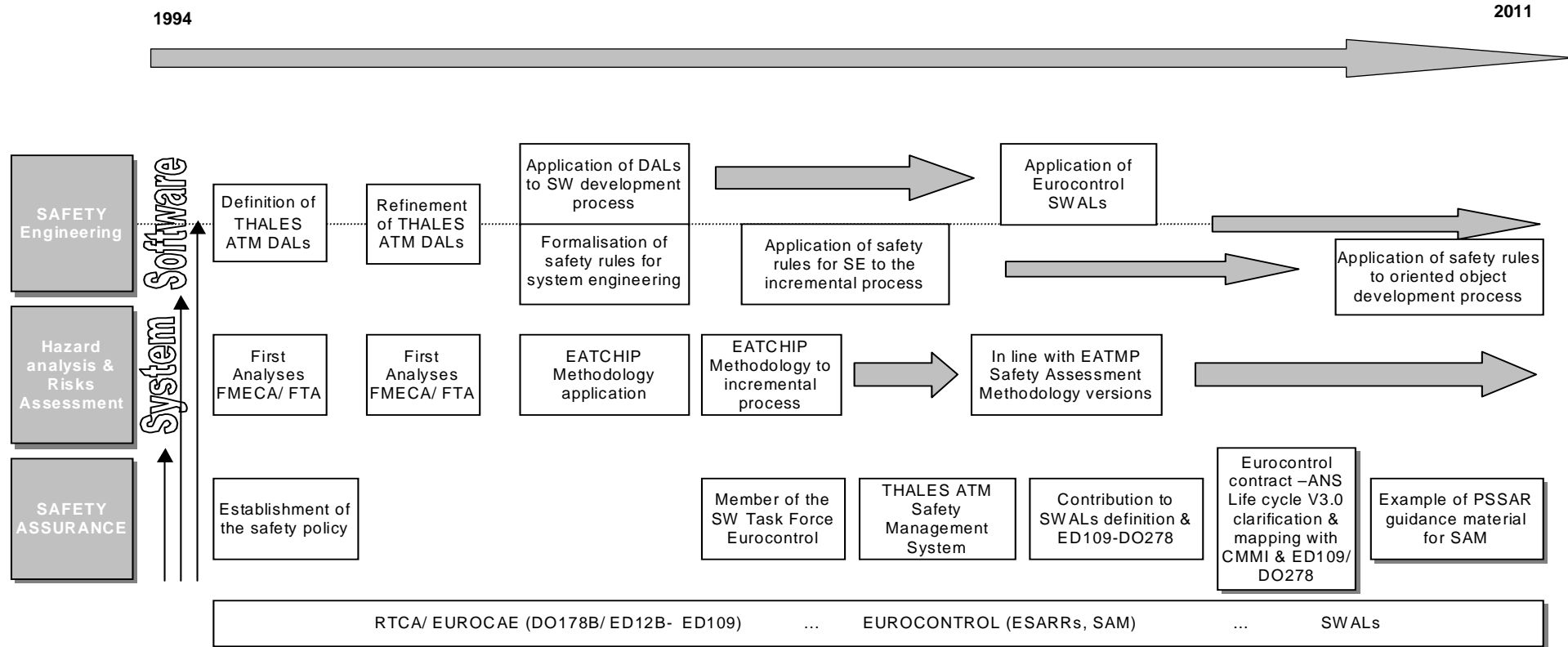
ESARR3/2000

ESARR4/2004

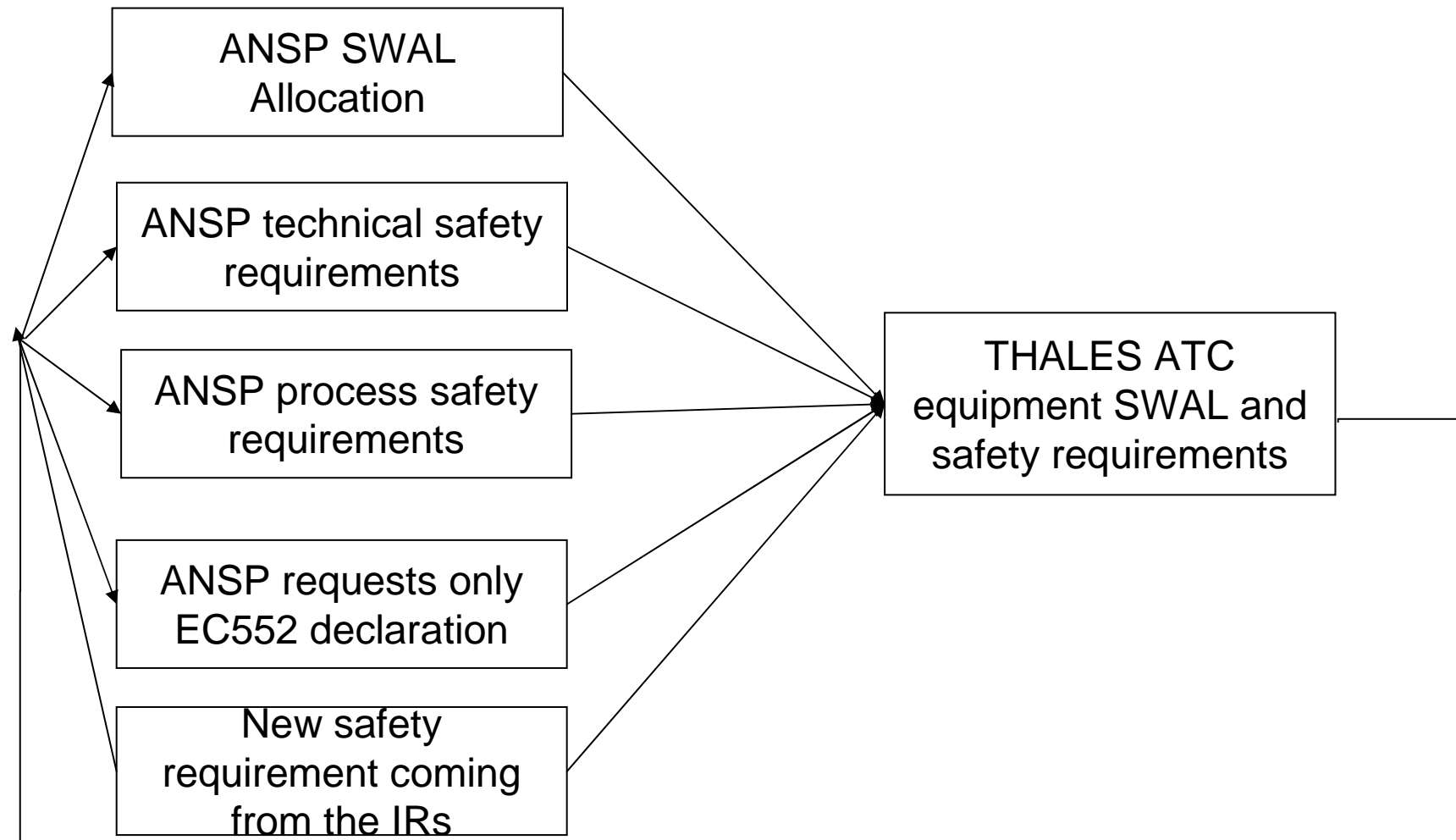
(EC) 482/2008

ESARR6/2003

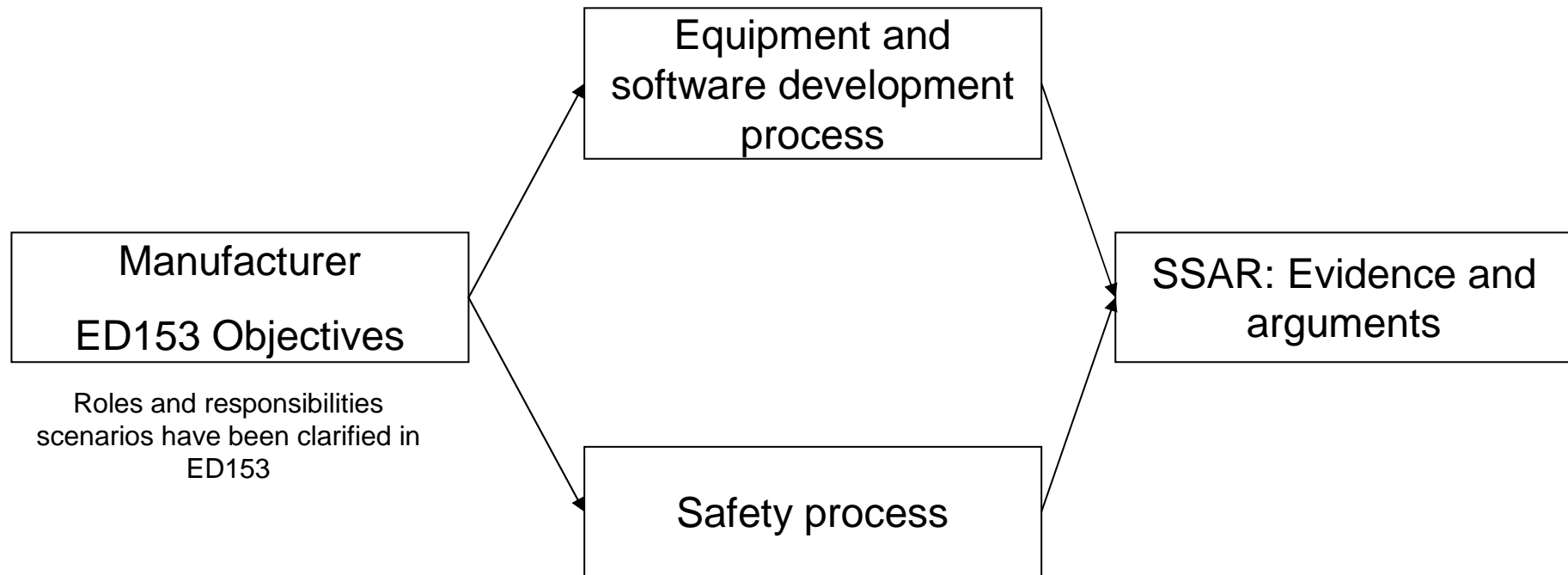
**Means of compliance****Safety Assessment
Methodology/2002****ED 153/2009****ANS SW lifecycle
ANS SW Recom/2005****THALES****Thales Safety Process****Thales SMS****Thales has set up a SMS to ensure Compliance with EC regulations**



Thales SMS has been progressively validated through successful contracts



Heterogeneous SWALs allocation methods

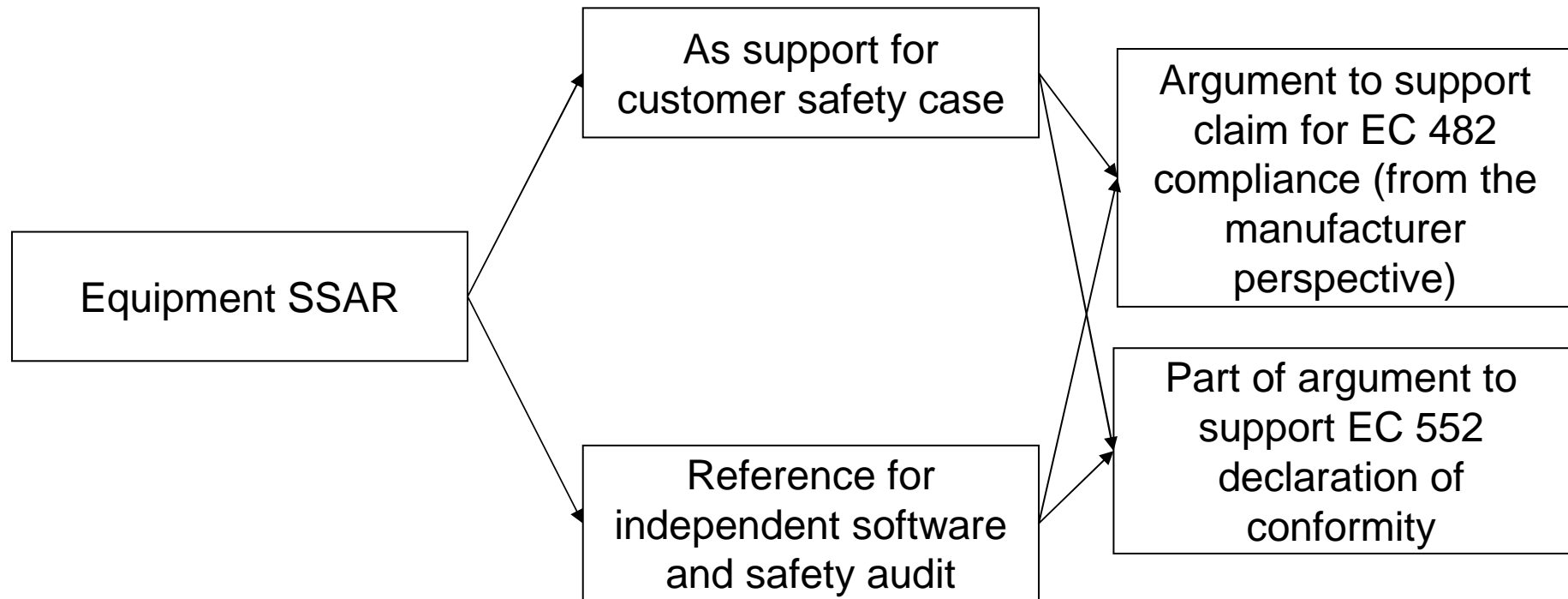


Interpretation of the ED153 safety objectives to find appropriate evidence in the equipment development process

Software safety folder presented in the SSAR

- ◆ Light presentation: generic evidence for each ED153 safety objective
- ◆ Complete presentation: detailed evidence for each piece of software and safety objective

Evidence production and SSAR documentation adapted to our customer needs



Provided through agreement on SSAR and some times through customer audits of our internal processes

- ◆ How should safety requirement issued from the IRs be considered in the global system/equipment safety assessment?
- ◆ Is one AMC (ED109, ED153, other) preferable to other?
- ◆ When or how compliance to objectives can be determined?
- ◆ How can we get a better/common (ANSP/Manufacturer) view of what we really need to do to show compliance to EC482?
- ◆ What should be the content of EC 552 declaration of conformity in relation with safety assessment?
- ◆ .



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Questions and discussion



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Thank you for your attention