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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



## Regulation



## Means of compliance

THALES

## ICAO Annex11/2001

Doc 9859/2009 SMM

(EC) 2096/2005

ESARR3/2000

ESARR4/2004

(EC) 482/2008

ESARR6/2003

ED 153/2009

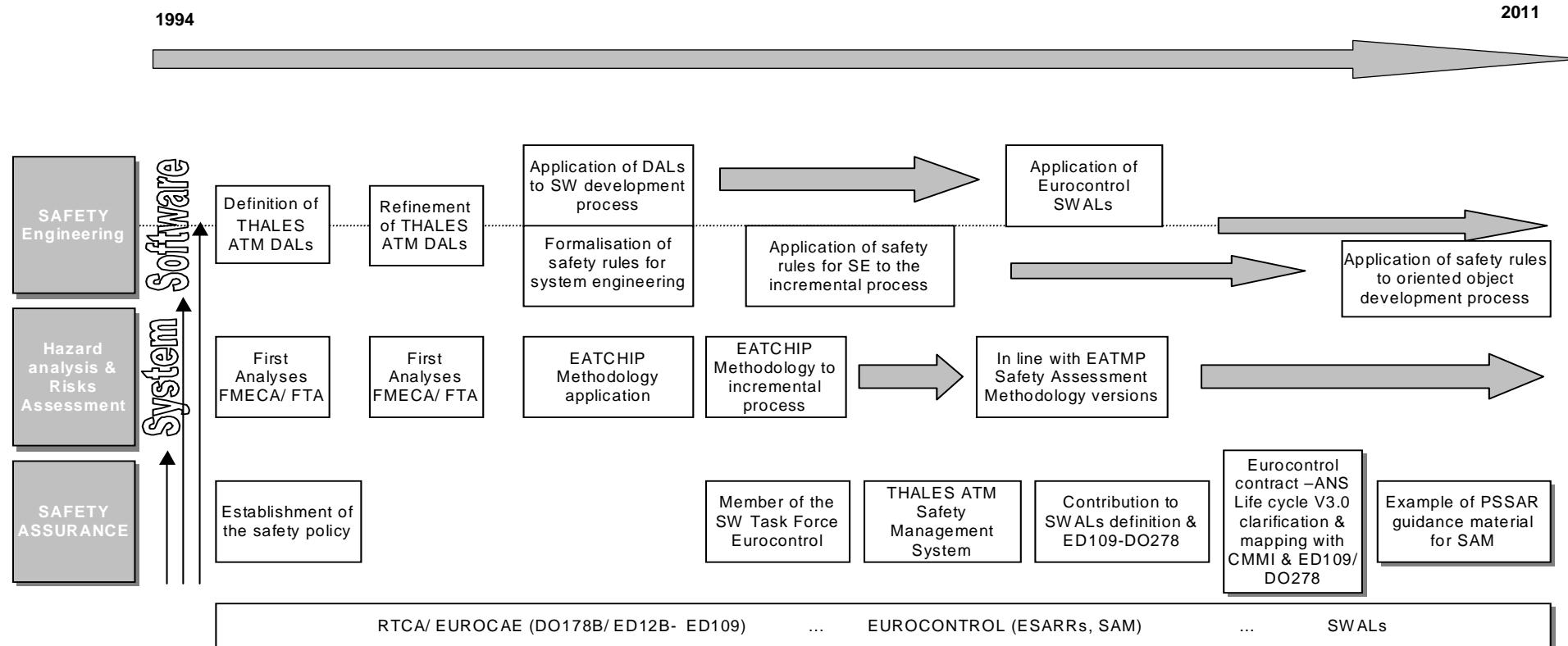
Safety Assessment  
Methodology/2002

ANS SW lifecycle  
ANS SW Recom/2005

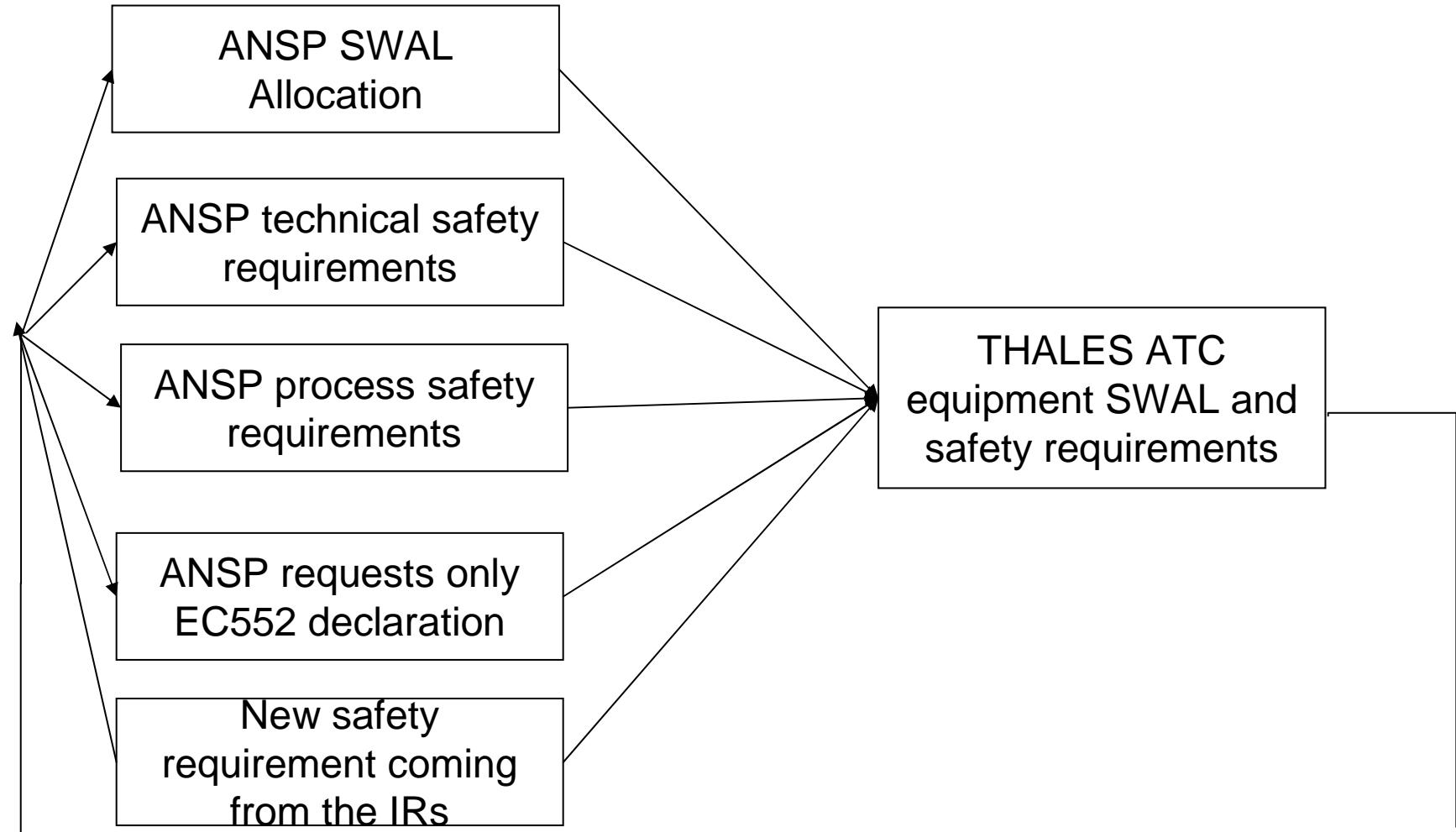
Thales SMS

Thales Safety Process

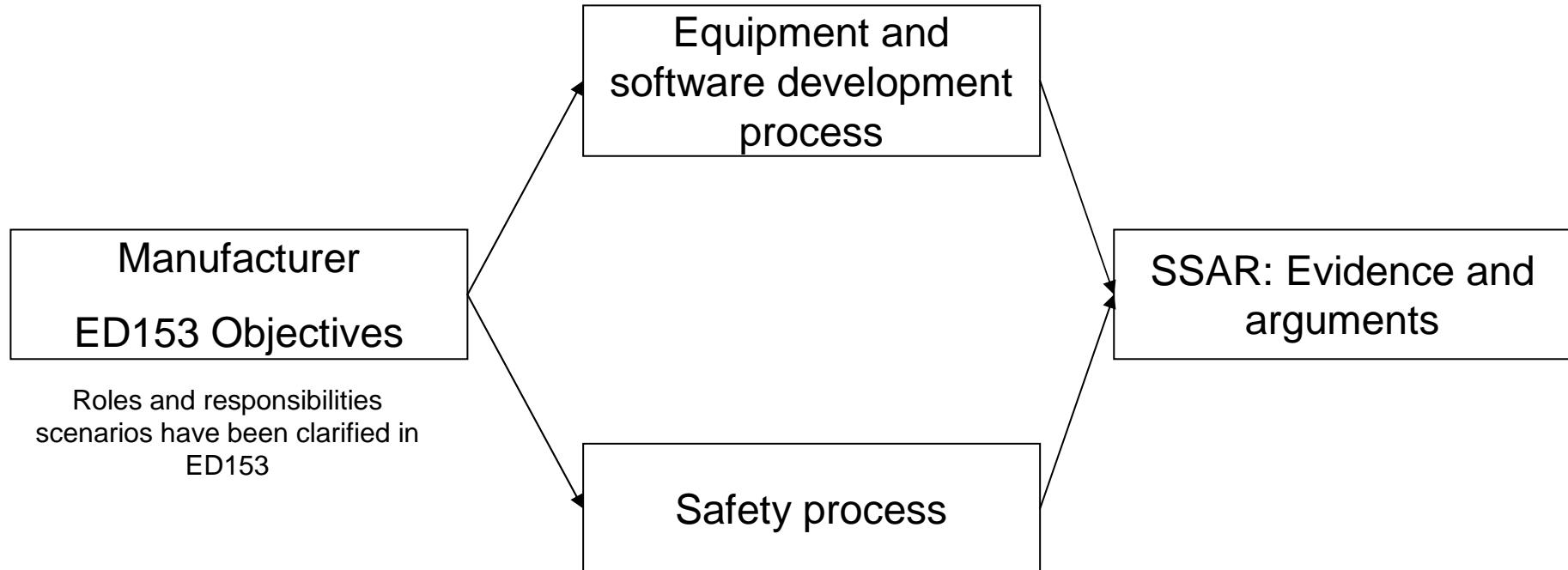
Thales has set up a SMS to ensure Compliance with EC regulations



Thales SMS has been progressively validated through successfull contracts



Heterogeneous SWALs allocation methods

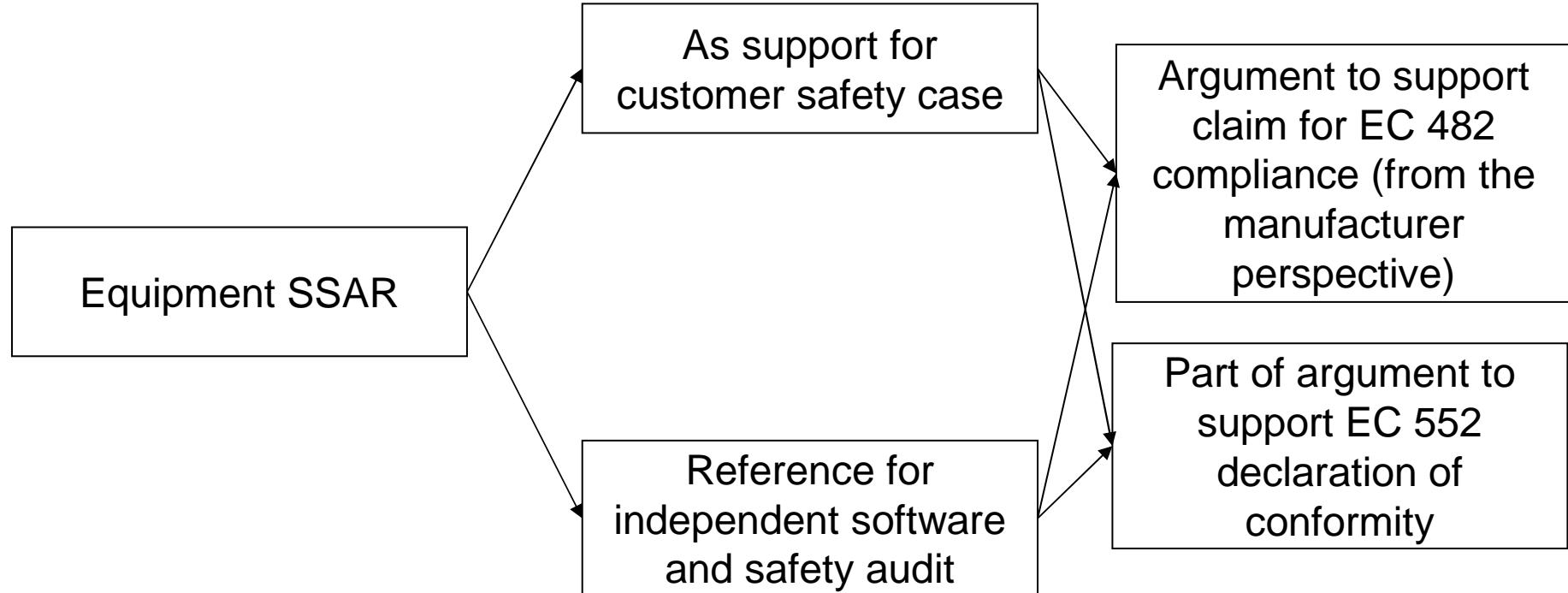


Interpretation of the ED153 safety objectives to find appropriate evidence in the equipment development process

## 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



Thank you for your attention