Safety Aspects of ANS Contingency

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WS 04A - 09 Contingency Planning

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Some questions about Safety

- What is the role of safety management in contingency?
- Are contingency procedures safety assessed as per ESARR 3- 4 and SES regulations?
- What is the safety requirement?
- Target level of safety, should it be the same as normal ops?
- How to compare normal and contingency procedures for safety?
- Who decides the safety requirements?

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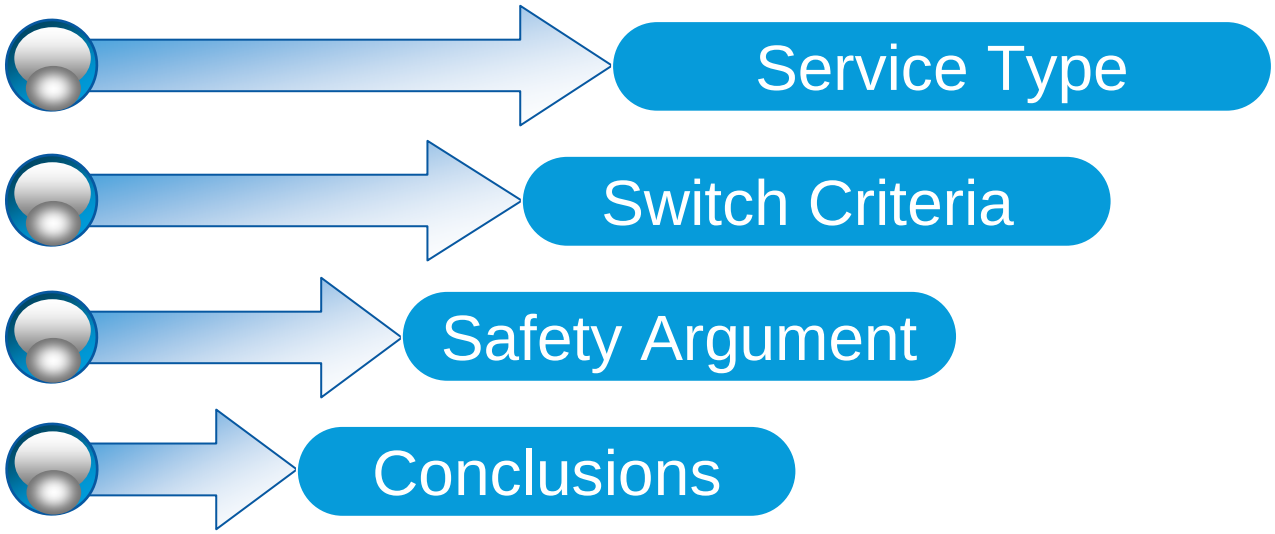
Safety Aspects of ANS Contingency



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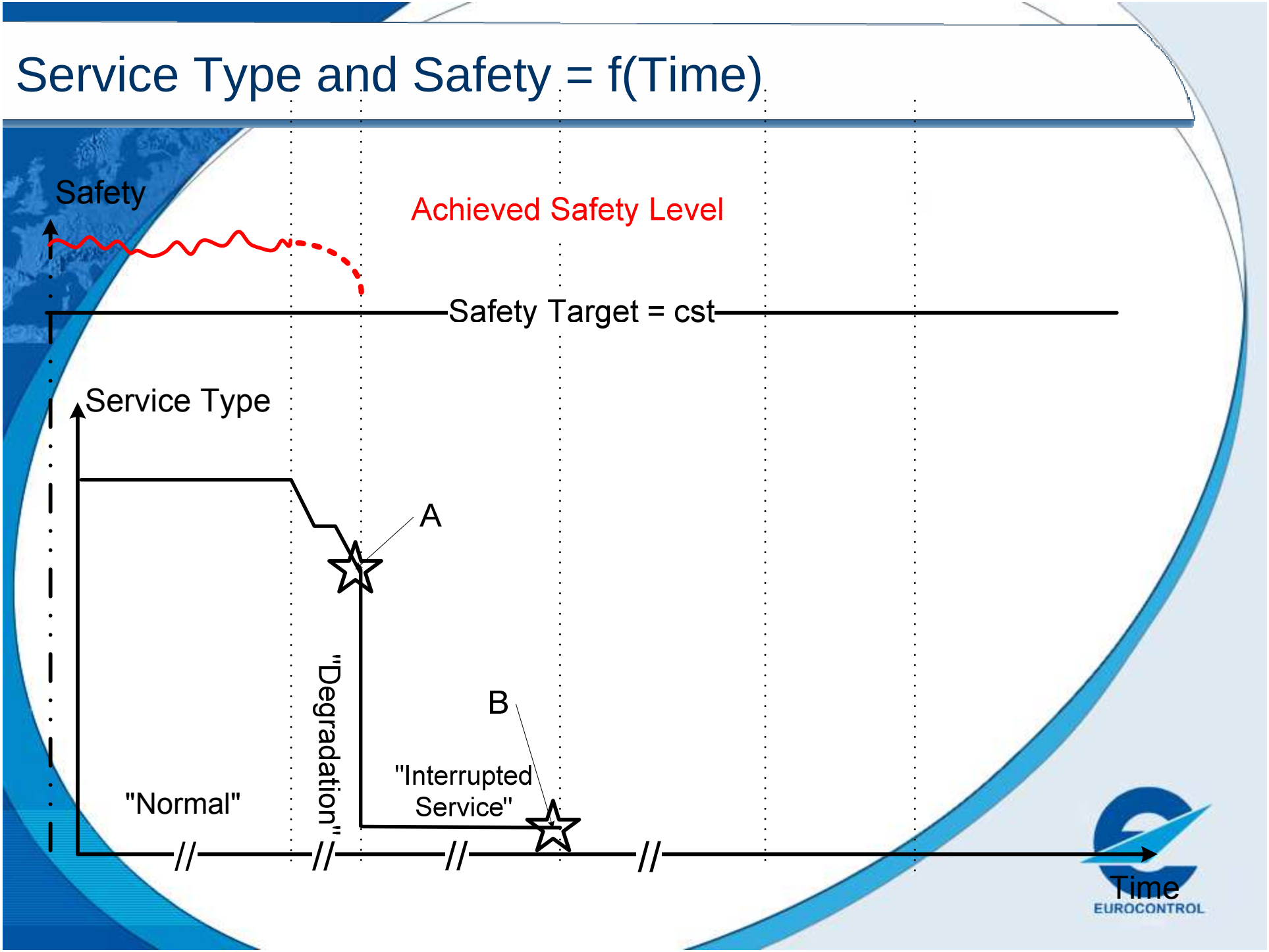
Service Type and Safety = f(Time)



Criteria for Switch to ‘Interrupted Service’ and ‘Service Continuity’ Modes

- When is ‘Normal OPS’ no longer safe or viable?
- How will we know?
- Who decides to switch?
- Are there procedures in place for the switch?

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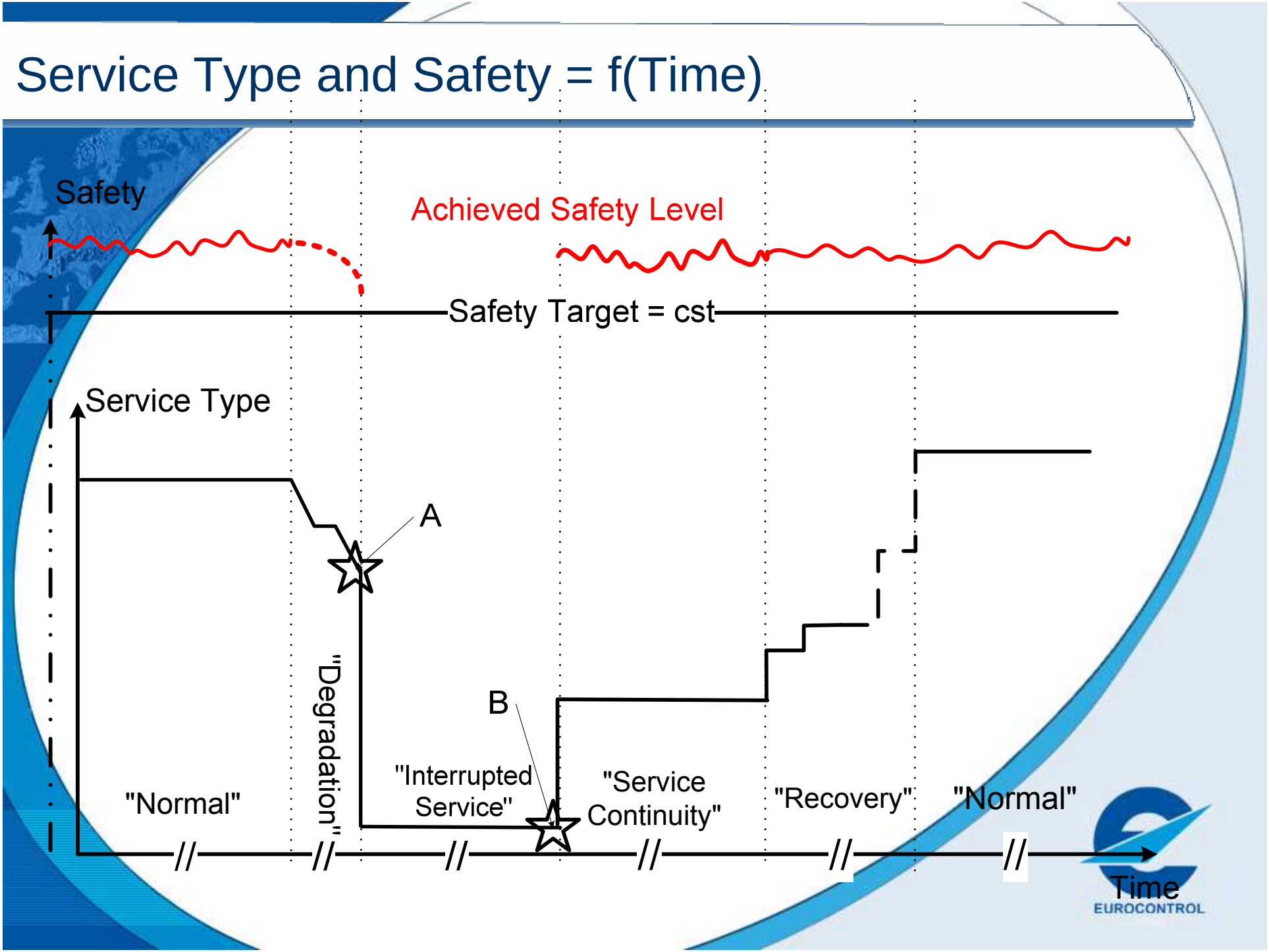
Service Type and Safety = f(Time)



The Safety Argument

- What is a Safety Argument?
- Why do we need one?
- How do we produce it?
- The Success and Failure Case

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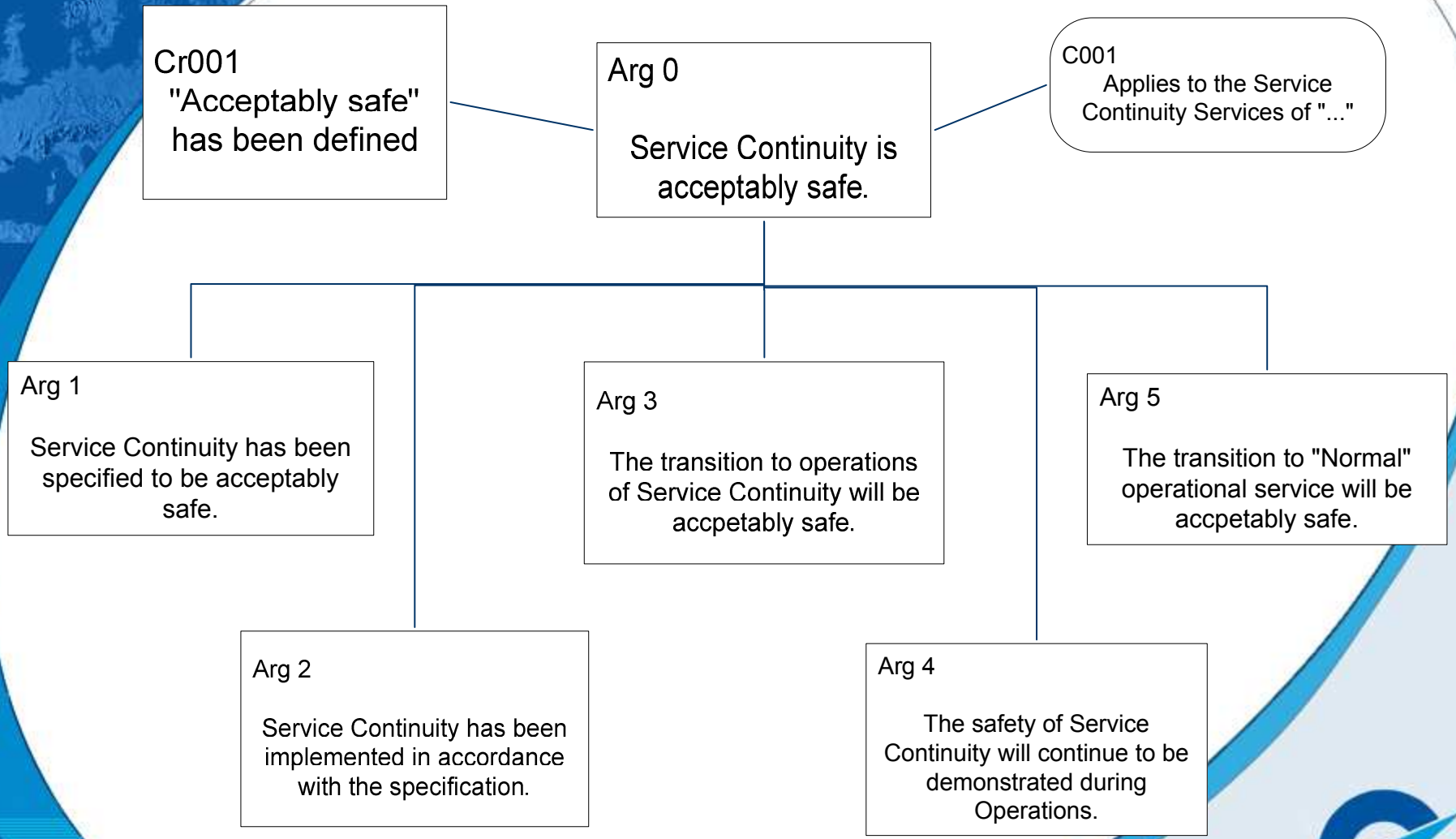
Service Continuity Safety Argument



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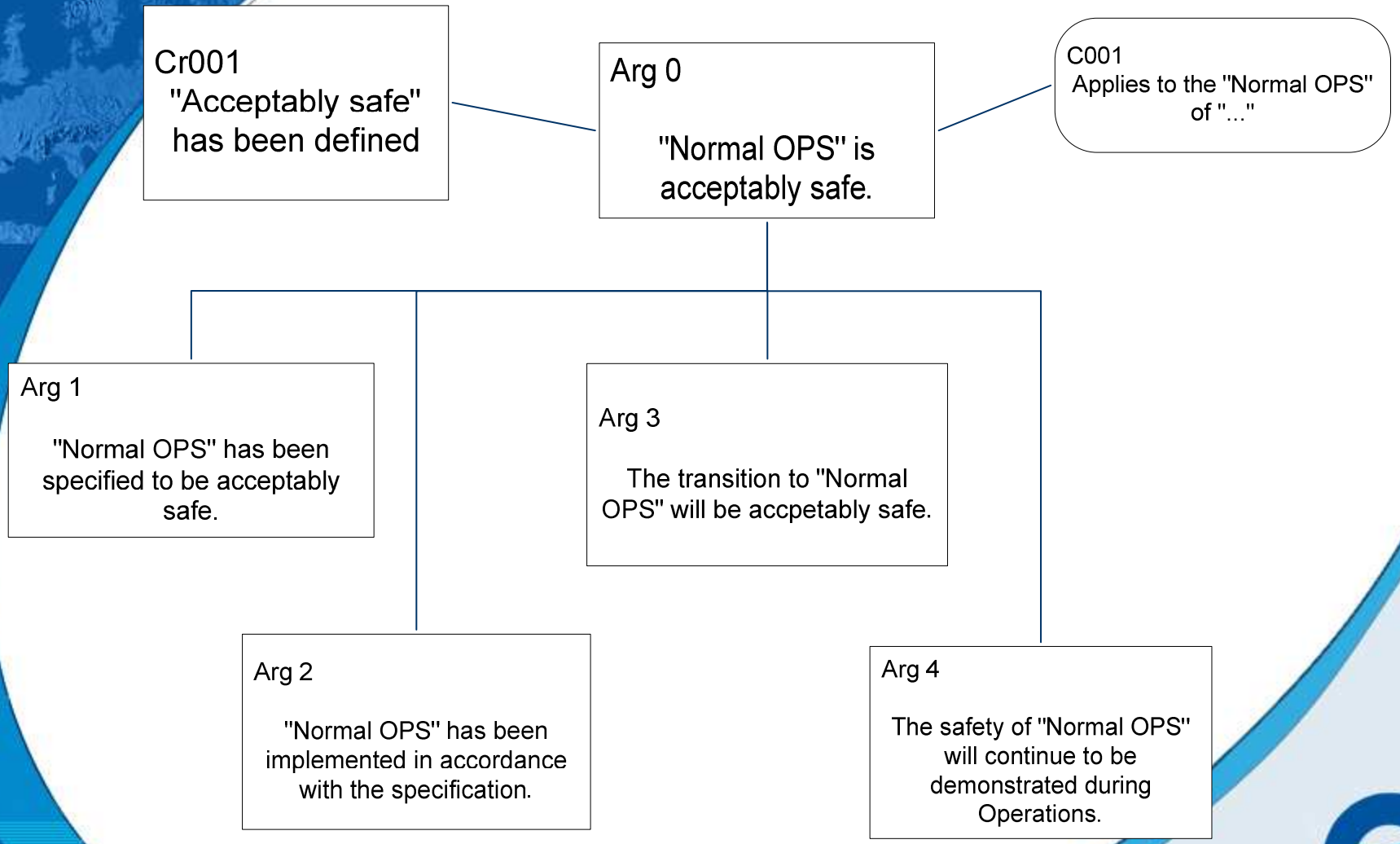
« Normal OPS » Safety Argument



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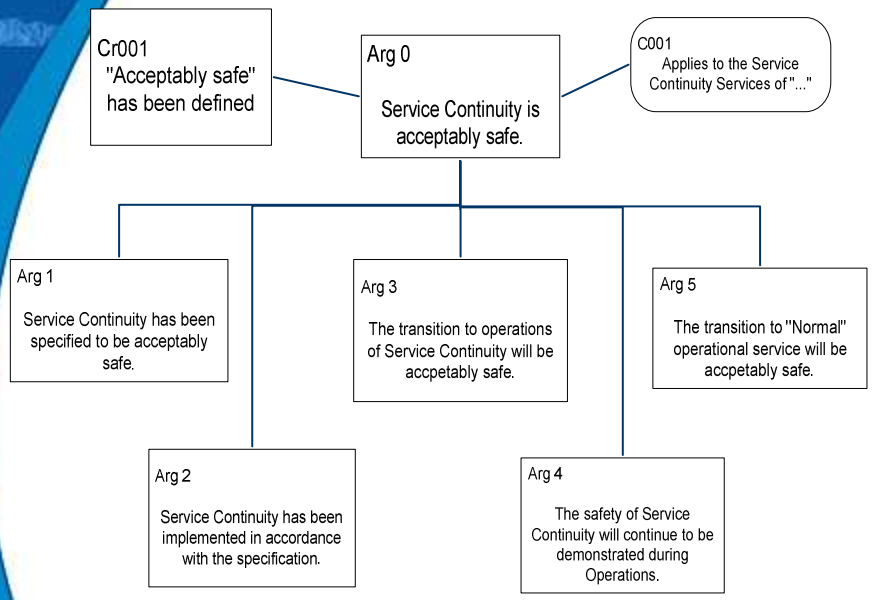
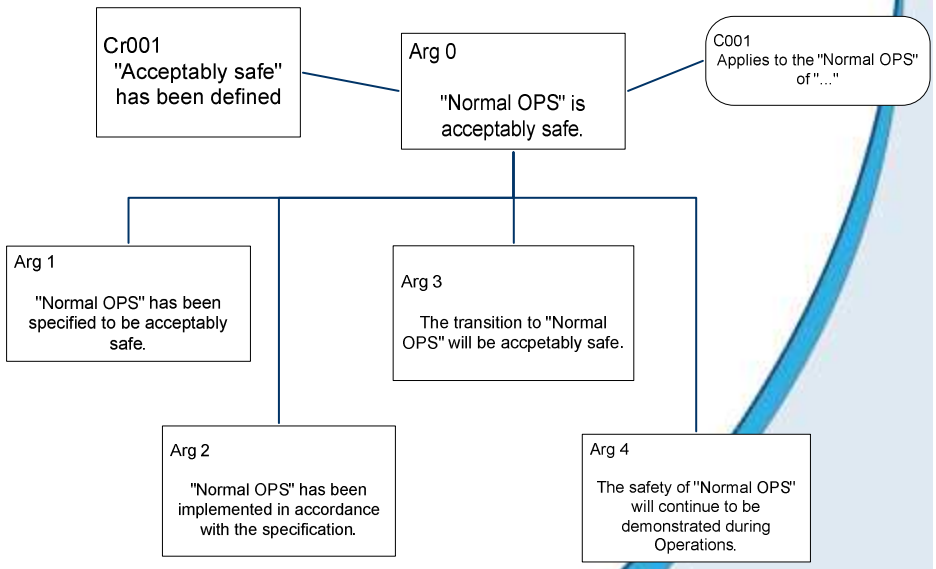
« Normal OPS » Safety Argument





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Conclusions

- **Basically, for Service Continuity the same type of Safety Argument as for "Normal OPS"**
- **Safety Argument relies on a defined OPS concept**
- **Need to define clear criteria for making the decision to switch to "Interrupted Service" and "Service Continuity"**

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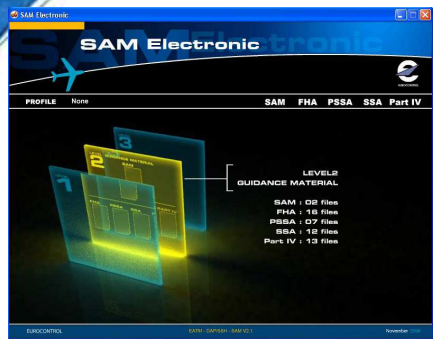
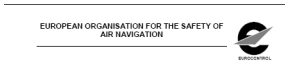
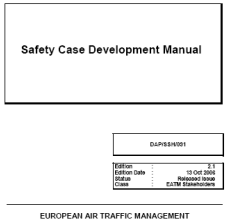
Safety Aspects of Contingency – More Information

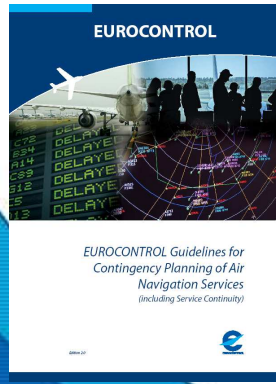


➢ **EUROCONTROL Safety Assessment Methodology**





➢ **EUROCONTROL Safety Case Development Manual**



➢ **EUROCONTROL Contingency Planning Guidelines – Appendix K**

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Generic Safety Argument for Service Continuity

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