

VIVACE Third tier suppliers session

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VIVACE

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Welcome to the Third Tiers supplier session of VIVACE Forum 2. As I hope you are aware this reflects the second iteration of the three iteration cycles of this of research programme.

My name is Patrick Williams and I and other members of the VIVACE team based throughout Europe will take you through this programme.

Although this session is entitled Third tiers, in reality it reflects supply chain operations with smaller companies, recognising they may operate at the 3rd tier or other levels within a typical Aerospace supply chain.



Introduction

- **Welcome to the VIVACE Forum 2 3rd Tier Suppliers Session.**
- **This will be a progression of our work from 2005 (and presented at VIVACE Forum 1).**
- **Some of the information presented is ahead of the formal deliverables, and hence is a ‘snapshot’ of the work to date, but provides a good understanding of the way VIVACE is progressing and the application of its research within the supply chain, and with smaller suppliers.**

The results we will present are a progression from the presentation we made at Forum 1, 12 months ago in Warwick.

I would point out that this is a snapshot of the research so far, but we believe it provides a sound understanding of the concepts being defined and the potential impact they have on smaller suppliers.



Forum 2 – 3rd Tier Suppliers session

**This session is aimed at 3rd Tier or smaller suppliers
In the Aerospace supply chain.**

The session will be in six sections ;

1. Characteristics of smaller suppliers and their requirements
2. Methods emerging from VIVACE, considerations for smaller suppliers
3. The collaborative environment
4. IT Security of support the collaborative environment
5. Application of VIVACE methods against Aerospace industry scenarios, based on the common VIVACE theme.
6. *'The AeroSME Project: Practical assistance for participation in FP7 Aeronautics research projects'* - Presentation by AeroSME.

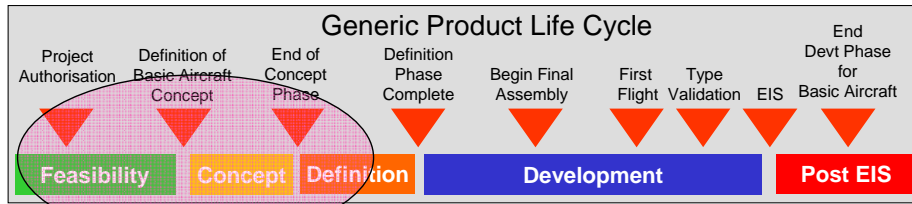
We encourage your inputs and discussion in the question and answer sessions after each presentation, to assist us, reinforce our work, and the industries understanding on VIVACE.

The session has 6 sections, as shown

- Starting with an update on the characteristics of smaller suppliers, and their requirements for consideration within the VIVACE methods being developed,
 - Then a review of the methods emerging that may effect smaller suppliers, and the considerations for suppliers operating within the collaborative engineering supply chain
 - that VIVACE envisages.
 - We will then have a presentation on the collaborative environment, followed by an update on the typical security requirements to operate in this environment.
 - After we will present an overview of these methods in the context of the scenario of smaller suppliers operating within a programme for new aircraft and engine programmes that has been presented throughout Forum 2.
 - Finally we will have a presentation by AeroSME on Framework 7.
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- We encourage your inputs, and we will try to answer any questions we can,
 - we are keen to use this session to assist us in our work, and reinforce the research we are doing.



Forum 2 – 3rd Tier Suppliers session



The methods presented will show :

- Collaboration Engineering and virtual enterprise.
- Supply chain integration and optimisation.
- Input on Cost modelling
- Technical integration.

From the context of smaller suppliers

So how does this session fit within the overall context of VIVACE.

The life cycle model we are applying is as shown, with the majority of the VIVACE concepts coming in the area highlighted between Feasibility and Definition.

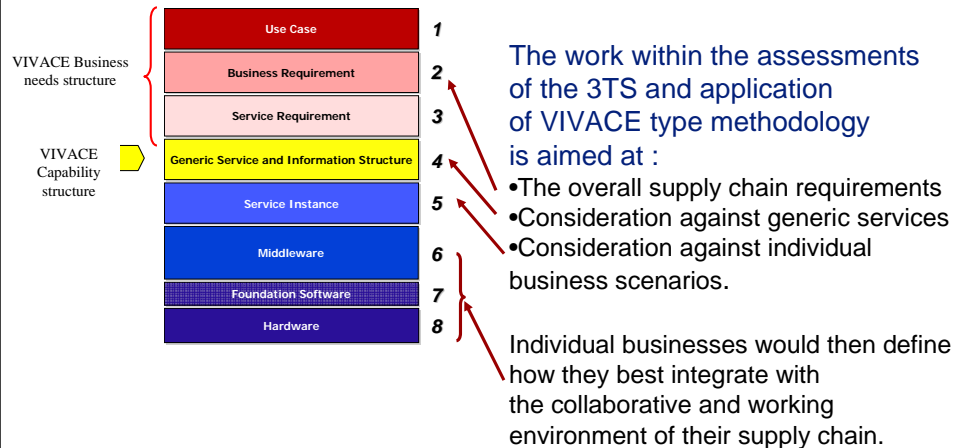
However the reality is that the methods will extend in to the development phase through the design change processes, and the need for interaction with the supply chain for cost and scheduling of engineering tasks and production.

The main emphasis we will provide is in the areas of collaborative engineering and technical integration for product development and planning, support of cost modelling and supply chain integration and optimisation using virtual tools and hubs from the context of smaller suppliers.



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Systems and structures context



In terms of the eight layer model that VIVACE is applying for its processes and tools, we will consider business requirements against overall supply chain requirements, and consideration against scenarios associated with specific types of business such as design and make companies, or technical and production service suppliers which relates to items 2, 4, and 5. We will then present a view in terms of the IT environment and tools that would support this environment (6 to 8)