

POLICY ACTIONS (FROM ESA/IPC(2008)99)



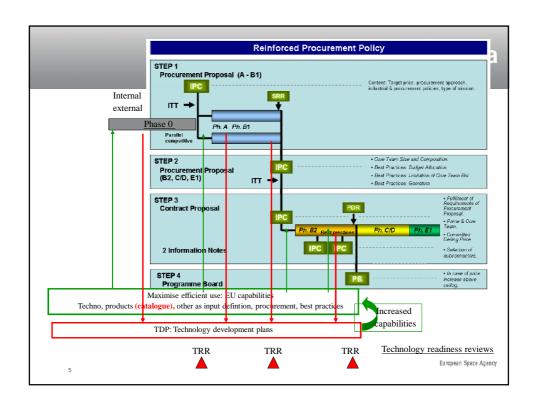
- a) Define user driven and utilization oriented products for European programmes and for European companies to compete in the world market
- b) Tailor technology development programmes and processes so as to support the product development cycle, from concept to qualification, including when required in-orbit demonstration
- c) Establish processes and tools that allow setting up and maintaining a catalogue of such products
- d) Establish measures that encourage investment by Member States
- e) Establish measures that promote use of developments and reuse of products in ESA programmes and in other programmes.
- f) Assuring equal opportunities to all classes of firms, including in particular SME
- g) Assuring the availability by approach to sourcing
- h) Maintain a strong supplier base with repeatable products and processes.

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PRINCIPLES OF THE PRODUCT POLICY



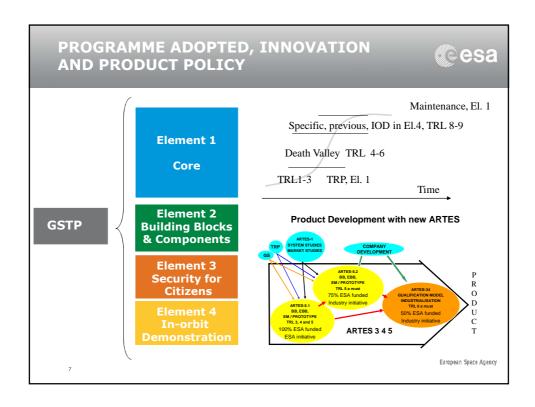
- a) Underlying Concept of the Product Policy
 - a) New technologies needed due to the innovative character of missions must reach TRL 6 (qualified for intended use) before C/D Phase
 - b) Reuse of generic Building Blocks should be preferred to new developments so as to avoid unnecessary risks and costs
- b) Consequences
 - a) Strong effort in identification of products at low integration level
 - b) Develop products in advance to the level suitable for utilisation
 - c) New technologies and products shall reach maturity required at each project step (TRL 5 at SRR, TRL 6 at PDR)



IMPLEMENTATION OF THE PRODUCT POLICY



- a) Technical Measures for Standardisation and Modularity
 - a) Foster standardisation of interfaces and architectures to facilitate the definition of modules
 - b) Coordinate reflection on standardisation of interfaces and architectures with Primes, equipment suppliers and National Agencies
- b) Technical Measures related to Identification and Development of Products
 - a) Improving the identification of user driven products and generic multimission Building Blocks
 - b) Strenghtening the involvement of suppliers and users, including the ESA Projects
 - c) Managing technology/product developments as project with clear utilisation driven milestones



LIST OF SPACE PRODUCTS - OBJECTIVES



- a) Support projects in concept, feasibility and definition phases and in procurement actions for make and buy decisions
- b) Promote the efficient use and re-use of products with minimum additional effort, for the reduction of risks to space projects (cost, schedule, performance)
- c) Facilitate the reuse outside ESA programmes, so as to enhance the "market" volume, reduce cost and strengthen the industrial base
- d) Motivate the investment of Member States in high technology maturity

LIST OF PRODUCTS - BENEFITS



- a) Provide the final Customer and Primes with knowledge about the qualification status of the listed products prior to major satellite procurement process
- b) Facilitate the establishment of make or buy lists early in the procurement process
- c) Reduce the effort for the lengthy qualification status reviews by the final Customer and Primes for all products for each new project
- d) Reduce the efforts for suppliers to provide full demonstration of ECSS compliance for listed products for each new Customer

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USING THE LIST OF PRODUCTS



- a) It does not replace a Product Policy (it is a tool)
- b) The use of listed products is not mandatory
- c) Projects reMAIN however fully in charge to determine and decide on the level of innovation, geo-considerations and trade-off with risk, costs and planning