

# Independent Software Verification & Validation (ISVV)

for safety-critical software systems

ISVV is aimed at mission critical systems where safety and dependability are crucial factors for establishing paramount operational integrity. EMTech undertakes ISVV projects on software systems for customers who require to be certain of their product's reliability. EMTech's engineering team combines a strong set of skills acquired through years of experience in space software engineering for ESA, always with respect to non-disclosure and secure handling of our customer's sensitive information.



## Benefits

- Ensures software quality, reliability and robustness
- Reduces development cost & maintenance efforts
- Mitigates risks providing timely inputs
- Increases usability and maintenance
- Guarantees requirements and final product compatibility

## Services

- ISW Level definition
- Project Management and ISVV task coordination
- Technical Specification Analysis
- Software Architectural and Detailed Design Analysis
- Source Code Verification
- Independent Validation using Software Validation Facilities (SVF)

## Experience

EMTech's multidisciplinary engineering team is experienced in:

- Embedded Systems
- On-Board Computers and Flight Software
- Electrical Ground Support Equipment
- Real-Time Simulators (SIMSAT)
- Ability to adapt to different software engineering approaches: Waterfall, Agile
- Thinking Outside-the-box perspective

INCREASE SOFTWARE DEPENDABILITY AND QUALITY

REDUCE CHANCES OF FAILURE

MAKE YOUR PRODUCT ASTOUNDING

AND COST-EFFECTIVE

**ECSS-E-ST-40C**

(Space Engineering Software)

**ECSS-Q-ST-80C**

(Software Product Assurance)

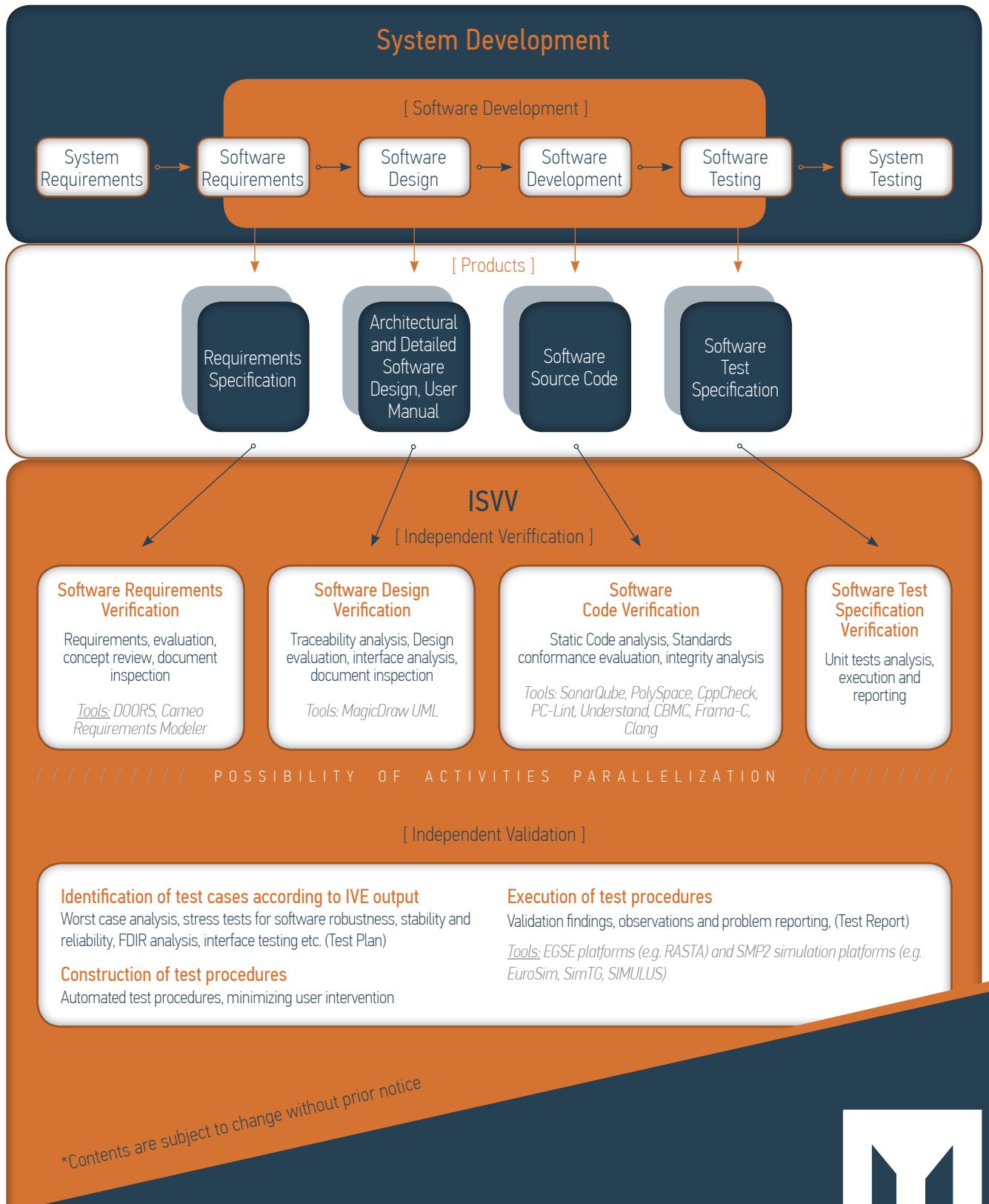
**MISRA C 2004/2012**

**MISRA C++ 2008**

**BSSC 2000/2004/2005**



Procedure\*



\*Contents are subject to change without prior notice

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