NASA’S SOFTWARE ENGINEERING HANDBOOK
Supporting the Development of Robust and Safe Software
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PROVIDES
• Guidance on 30 software engineering topics
• Implementation guidance for NASA Procedural Requirements NPR 7150.2A
• Classification tool
• Rationale for NASA requirements
• Links to related lessons learned
• Best-in-class examples and templates
• Tools and checklists
• Approved guidance material ready for use

FEATURES
• Web based
• Guidance material tagged to allow search by topic area
• Requirements can be sorted by class
• Printable as a PDF
• Feedback and information-sharing mechanism on each page
• Guidance material easily updatable

SAMPLE TOPICS
• Maturity of life cycle products at milestone reviews
• Software acquisition
• Flow down of NPR requirements
• Peer review and inspections
• Transitioning to a higher class
• Qualification of flight software
• Architecture development and assessment
• Metrics
• Cost estimation
• Model-based development and autogenerated code
• Static and dynamic testing tools

GENERAL INFORMATION
• Hosted on the NASA Engineering Network
• Beta version currently available for review and feedback
• Final release targeted for March 2012

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NASA Software Engineering Handbook
Nasa Software Guidelines