

PHASES	STATUS	COMMENTS
Initial Phase	Completed	
<i>Documents</i>		
- Project Needs Statement (PNS)	Working on Now?	
Concept Definition Phase	Completed	
<i>Documents</i>		
- Project Description Document (PDD)	Working on Now?	
- Operations Concept Document (OpsCon)	Completed	
- Trade Studies Document (TSD)	Completed	Approval to build APT on SEA prototype
- Project Planning Document (PPD)	Living doc, tracking Goddard/MC issues	
<i>Milestones</i>		
- Sign-off of the PDD	Working on Now?	
- Operations Concept Approval Review (OCAR)	Completed	
- Sign-off of the OCAR	Completed	Not that formal of a process, no signature
<i>Entrance Gate</i>		
- PNS delivery	Working on Now?	
<i>Exit Gate</i>		
- Web site established	Completed	
- Approval of OpsCon	Completed	
System Requirements Phase	Completed	
<i>Documents</i>		
- System Requirements Document (SRD)	Completed, 3 documents	
- System Test Plan (STP)	Not Completed	
<i>Milestones</i>		
- User Requirements received	Completed	
- Completion of Trade Studies	Not Applicable for this phase	
- System Requirements Reviews	Completed	
- Sign-off of System Requirements Document	Completed	Not that formal of a process, no signature
<i>Entrance Gate</i>		
- OCAR held	Completed	
<i>Exit Gate</i>		
- Approval of SRD	Completed	
System Design Phase	On Going	
<i>Documents</i>		

- System Design Document (SDD)	Completed	
- Interface Control Document (ICD)	Currently Being Developed	External system interfaces
- Integration Plan (IP)	Not Completed	

Milestones

- Trade Study Completion	Not Applicable for this phase	
- System Design Review	Completed	
- Interface Control Document Technical Reviews	Not Completed	
- Test Plan Review	Not Completed	

Entrance Gate

- System level requirements received	Completed	
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Exit Gate

- Approval of System Design Document	Completed	
- Approval of System Test Plan	Not Completed	

VTT Component Requirements Phase**On Going***Documents*

- Component Requirements Document (CDR)	On Going process, SEA prototype	Done through OPRs now, no formal document
- Test Plan (CTP)	Completed	No formal document

Milestones

- User Requirements received	On Going process	VTT requirements team
- Completion of Trade Studies	Not applicable	
- Requirements analysis completed	On Going process	VTT requirements/development team
- Component Requirements Review	On Going process	VTT requirements team
- Sign-off the Component Requirements Doc	On Going process	VTT requirements team, no formal sign

Entrance Gate

- System Requirements Document Approved	Completed, SEA prototype	
- System Design Document approved	Completed, SEA prototype	

Exit Gate

- CDR approval	On Going Process	
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VTT Design & Implementation Phase**On Going***Documents*

- Component Design Document	Completed, SEA Prototype	
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Milestones

- Design Review	On Going Process, depends on new reqs	
- Code Review	Not Doing	
- Test Plan Review	Not Doing	Testing OPRs and new functionalities

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements On Going Process, depends on new reqs

Exit Gate

- Delivery of Code for V&V On Going Process, depends on new reqs
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Doing

ACS ETC Component Requirements Phase**Completed***Documents*

- Component Requirements Document (CDR) Completed
- Test Plan (CTP) Completed

Milestones

- User Requirements received Completed ETC requirements team
- Completion of Trade Studies Not applicable
- Requirements analysis completed Completed ETC requirements/development team
- Component Requirements Review Completed ETC requirements team
- Sign-off the Component Requirements Doc Completed ETC requirements team, no formal sign

Entrance Gate

- System Requirements Document Approved Completed, SEA prototype
- System Design Document approved Completed, SEA prototype

Exit Gate

- CDR approval Completed

ACS ETC Design & Implementation Phase**On Going***Documents*

- Component Design Document Completed, SEA Prototype

Milestones

- Design Review Completed
- Code Review Completed, Pair Programming
- Test Plan Review Completed

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Completed

Exit Gate

- | | |
|-----------------------------------------|---------------|
| - Delivery of Code for V&V | Not Completed |
| - Successful Completion of Code Reviews | Not Doing |
| - Approval of Component Test Plan | Completed |

NICMOS ETC Component Requirements Phase **Completed**

Documents

- | | |
|-----------------------------------------|---------------|
| - Component Requirements Document (CDR) | Completed |
| - Test Plan (CTP) | Not Completed |

Milestones

- | | | |
|-------------------------------------------|----------------|---------------------------------------|
| - User Requirements received | Completed | ETC requirements team |
| - Completion of Trade Studies | Not applicable | |
| - Requirements analysis completed | Completed | ETC requirements/development team |
| - Component Requirements Review | Completed | ETC requirements team |
| - Sign-off the Component Requirements Doc | Completed | ETC requirements team, no formal sign |

Entrance Gate

- | | |
|-----------------------------------------|--------------------------|
| - System Requirements Document Approved | Completed, SEA prototype |
| - System Design Document approved | Completed, SEA prototype |

Exit Gate

- | | |
|----------------|-----------|
| - CDR approval | Completed |
|----------------|-----------|

NICMOS ETC Design & Implementation Phase **TBD**

Work to start in Summer 2001

Documents

- | | |
|-----------------------------|--------------------------|
| - Component Design Document | Completed, SEA Prototype |
|-----------------------------|--------------------------|

Milestones

- | | |
|--------------------|---------------|
| - Design Review | Not Completed |
| - Code Review | Not Completed |
| - Test Plan Review | Not Completed |

Entrance Gate

- | | |
|-----------------------------------|-----------|
| - System Requirements Document | Completed |
| - System Design Document approved | Completed |
| - Sufficient Requirements | Completed |

Exit Gate

- | | |
|-----------------------------------------|---------------|
| - Delivery of Code for V&V | Not Completed |
| - Successful Completion of Code Reviews | Not Doing |
| - Approval of Component Test Plan | Not Completed |

STIS ETC Component Requirements Phase **Completed**

Documents

- Component Requirements Document (CDR) Completed
- Test Plan (CTP) Not Completed

Milestones

- User Requirements received Completed ETC requirements team
- Completion of Trade Studies Not applicable
- Requirements analysis completed Completed ETC requirements/development team
- Component Requirements Review Completed ETC requirements team
- Sign-off the Component Requirements Doc Completed ETC requirements team, no formal sign

Entrance Gate

- System Requirements Document Approved Completed, SEA prototype
- System Design Document approved Completed, SEA prototype

Exit Gate

- CDR approval Completed

STIS ETC Design & Implementation Phase**TBD**

Work to start in Summer 2001

Documents

- Component Design Document Completed, SEA Prototype

Milestones

- Design Review Not Completed
- Code Review Not Completed
- Test Plan Review Not Completed

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Completed

COS ETC Component Requirements Phase**TBD**

Work to start Summer 2001

Documents

- Component Requirements Document (CDR) Not Completed
- Test Plan (CTP) Not Completed

Milestones

- User Requirements received Not Completed ETC requirements team

- Completion of Trade Studies	Not applicable	
- Requirements analysis completed	Not completed	ETC requirements/development team
- Component Requirements Review	Not Completed	ETC requirements team
- Sign-off the Component Requirements Doc	Not Completed	ETC requirements team, no formal sign
<i>Entrance Gate</i>		
- System Requirements Document Approved	Completed, SEA prototype	
- System Design Document approved	Completed, SEA prototype	
<i>Exit Gate</i>		
- CDR approval	Not Completed	
COS ETC Design & Implementation Phase	TBD	Work to start in Fall 2001
<i>Documents</i>		
- Component Design Document	Completed, SEA Prototype	
<i>Milestones</i>		
- Design Review	Not Completed	
- Code Review	Not Completed	
- Test Plan Review	Not Completed	
<i>Entrance Gate</i>		
- System Requirements Document	Completed	
- System Design Document approved	Completed	
- Sufficient Requirements	Not Completed	
<i>Exit Gate</i>		
- Delivery of Code for V&V	Not Completed	
- Successful Completion of Code Reviews	Not Doing	
- Approval of Component Test Plan	Not Completed	
WF3 ETC Component Requirements Phase	TBD	Work to start Fall 2001
<i>Documents</i>		
- Component Requirements Document (CDR)	Not Completed	
- Test Plan (CTP)	Not Completed	
<i>Milestones</i>		
- User Requirements received	Not Completed	ETC requirements team
- Completion of Trade Studies	Not applicable	
- Requirements analysis completed	Not completed	ETC requirements/development team
- Component Requirements Review	Not Completed	ETC requirements team
- Sign-off the Component Requirements Doc	Not Completed	ETC requirements team, no formal sign
<i>Entrance Gate</i>		

- | | |
|-----------------------------------------|--------------------------|
| - System Requirements Document Approved | Completed, SEA prototype |
| - System Design Document approved | Completed, SEA prototype |
| <i>Exit Gate</i> | |
| - CDR approval | Not Completed |

WF3 ETC Design & Implementation Phase**TBD**

Work to start in Spring 2002

Documents

- | | |
|-----------------------------|--------------------------|
| - Component Design Document | Completed, SEA Prototype |
|-----------------------------|--------------------------|

Milestones

- | | |
|--------------------|---------------|
| - Design Review | Not Completed |
| - Code Review | Not Completed |
| - Test Plan Review | Not Completed |

Entrance Gate

- | | |
|-----------------------------------|---------------|
| - System Requirements Document | Completed |
| - System Design Document approved | Completed |
| - Sufficient Requirements | Not Completed |

Exit Gate

- | | |
|-----------------------------------------|---------------|
| - Delivery of Code for V&V | Not Completed |
| - Successful Completion of Code Reviews | Not Doing |
| - Approval of Component Test Plan | Not Completed |

Bright Object Component Requirements Phase**Completed***Documents*

- | | |
|-----------------------------------------|-----------|
| - Component Requirements Document (CDR) | Completed |
| - Test Plan (CTP) | Completed |

Milestones

- | | |
|-------------------------------------------|----------------|
| - User Requirements received | Completed |
| - Completion of Trade Studies | Not applicable |
| - Requirements analysis completed | Completed |
| - Component Requirements Review | Completed |
| - Sign-off the Component Requirements Doc | Completed |

Entrance Gate

- | | |
|-----------------------------------------|-----------|
| - System Requirements Document Approved | Completed |
| - System Design Document approved | Completed |

Exit Gate

- | | |
|----------------|-----------|
| - CDR approval | Completed |
|----------------|-----------|

No formal document

Bright Object requirements team

Bright Object requirements/development team

Bright Object requirements team

Bright Object requirements team, no formal sign

Bright Object Design & Implementation Phase**On Going***Documents*

- Component Design Document	Completed	
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Milestones

- Design Review	Completed	
- Code Review	Not Doing	
- Test Plan Review	Not Doing	

Entrance Gate

- System Requirements Document	Completed	
- System Design Document approved	Completed	
- Sufficient Requirements	Completed	

Exit Gate

- Delivery of Code for V&V	Not Completed	
- Successful Completion of Code Reviews	Not Doing	
- Approval of Component Test Plan	Not Doing	

OCM Component Requirements Phase**Completed***Documents*

- Component Requirements Document (CDR)	Completed	
- Test Plan (CTP)	Completed	

Developed test tool, no formal document

Milestones

- User Requirements received	Completed	
- Completion of Trade Studies	Not applicable	
- Requirements analysis completed	Completed	
- Component Requirements Review	Completed	
- Sign-off the Component Requirements Doc	Completed	

Entrance Gate

- System Requirements Document Approved	Completed	
- System Design Document approved	Completed	

Exit Gate

- CDR approval	Completed	
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OCM Design & Implementation Phase**On Going***Documents*

- Component Design Document	Not Completed	
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Milestones

- Design Review	Completed	
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- Code Review Not Doing
- Test Plan Review Not Completed

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Completed

SV2/VTT Component Requirements Phase**Completed***Documents*

- Component Requirements Document (CDR) Completed
- Test Plan (CTP) Not Completed

Milestones

- User Requirements received Completed SV2 requirements team
- Completion of Trade Studies Not applicable
- Requirements analysis completed Completed SV2 requirements/development team
- Component Requirements Review Completed SV2 requirements team
- Sign-off the Component Requirements Doc Completed SV2 requirements team, no formal sign

Entrance Gate

- System Requirements Document Approved Completed
- System Design Document approved Completed

Exit Gate

- CDR approval Completed

SV2/VTT Design & Implementation Phase**On Going***Documents*

- Component Design Document Completed, prototype built

Milestones

- Design Review Completed
- Code Review Not Doing
- Test Plan Review Not Doing

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed

- Sufficient Requirements Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Doing

Orbit Planner Component Requirements Phase

On Going

Documents

- Component Requirements Document (CDR) Under development
- Test Plan (CTP) Not Completed No formal document

Milestones

- User Requirements received Not Completed Orbit Planner requirements team
- Completion of Trade Studies Completed, QuickTrans Studies
- Requirements analysis completed Not Completed Orbit Planner requirements/development team
- Component Requirements Review Not Completed Orbit Planner requirements team
- Sign-off the Component Requirements Doc Not Completed Orbit Planner requirements team, no formal sign

Entrance Gate

- System Requirements Document Approved Not Completed
- System Design Document approved Not Completed

Exit Gate

- CDR approval Not Completed

Orbit Planner Design & Implementation Phase

On Going

Documents

- Component Design Document Not Completed

Milestones

- Design Review Not Completed
- Code Review Not Doing
- Test Plan Review Not Doing

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Not Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Doing

Visit Planner Component Requirements Phase

TBD

Work to Start May 2001

Documents

- Component Requirements Document (CDR) Not Completed
- Test Plan (CTP) Not Completed

No formal document

Milestones

- User Requirements received Not Completed
- Completion of Trade Studies Not Applicable
- Requirements analysis completed Not Completed
- Component Requirements Review Not Completed
- Sign-off the Component Requirements Doc Not Completed

Visit Planner requirements team

Visit Planner requirements/development team

Visit Planner requirements team

Visit Planner requirements team, no formal sign

Entrance Gate

- System Requirements Document Approved Not Completed
- System Design Document approved Not Completed

Exit Gate

- CDR approval Not Completed

Visit Planner Design & Implementation Phase

TBD

Documents

- Component Design Document Not Completed

Milestones

- Design Review Not Completed
- Code Review Not Doing
- Test Plan Review Not Doing

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Not Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Doing

Phase 1 Component Requirements Phase

Completed

Documents

- Component Requirements Document (CDR) Completed
- Test Plan (CTP) Not Completed

No formal document

Milestones

- User Requirements received Completed Phase 1 requirements team
- Completion of Trade Studies Not Applicable
- Requirements analysis completed Completed Phase 1 requirements/development team
- Component Requirements Review Completed Phase 1 requirements team
- Sign-off the Component Requirements Doc Completed Phase 1 requirements team, no formal sign

Entrance Gate

- System Requirements Document Approved Completed
- System Design Document approved Completed

Exit Gate

- CDR approval Completed

Phase 1 Design & Implementation Phase

TBD

Work to start Jan 2002

Documents

- Component Design Document Completed

Milestones

- Design Review Not Completed
- Code Review Not Doing
- Test Plan Review Not Doing

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Doing

Help Component Requirements Phase

On Going

Documents

- Component Requirements Document (CDR) Under Development
- Test Plan (CTP) Not Completed No formal document

Milestones

- User Requirements received Not Completed Help requirements team
- Completion of Trade Studies Not Applicable
- Requirements analysis completed Not Completed Help requirements/development team
- Component Requirements Review Not Completed Help requirements team

- Sign-off the Component Requirements Doc <i>Entrance Gate</i>	Not Completed		Help requirements team, no formal sign
- System Requirements Document Approved	Completed		
- System Design Document approved <i>Exit Gate</i>	Completed		
- CDR approval	Not Completed		
Help Design & Implementation Phase		TBD	Resource Issue, may not do
<i>Documents</i>			
- Component Design Document	Not Completed		
<i>Milestones</i>			
- Design Review	Not Completed		
- Code Review	Not Doing		
- Test Plan Review	Not Doing		
<i>Entrance Gate</i>			
- System Requirements Document	Completed		
- System Design Document approved	Completed		
- Sufficient Requirements	Completed		
<i>Exit Gate</i>			
- Delivery of Code for V&V	Not Completed		
- Successful Completion of Code Reviews	Not Doing		
- Approval of Component Test Plan	Not Doing		
Submission Component Requirements Phase		Completed	
<i>Documents</i>			
- Component Requirements Document (CDR)	Completed		
- Test Plan (CTP)	Not Completed		No formal document
<i>Milestones</i>			
- User Requirements received	Completed		
- Completion of Trade Studies	Not Applicable		
- Requirements analysis completed	Completed		
- Component Requirements Review	Completed		
- Sign-off the Component Requirements Doc	Completed		
<i>Entrance Gate</i>			
- System Requirements Document Approved	Completed		
- System Design Document approved	Completed		
<i>Exit Gate</i>			

- CDR approval Completed

Submission Design & Implementation Phase

TBD

Work to start in Spring 2002

Documents

- Component Design Document Not Completed

Milestones

- Design Review Not Completed

- Code Review Not Doing

- Test Plan Review Not Doing

Entrance Gate

- System Requirements Document Completed

- System Design Document approved Completed

- Sufficient Requirements Completed

Exit Gate

- Delivery of Code for V&V Not Completed

- Successful Completion of Code Reviews Not Doing

- Approval of Component Test Plan Not Doing

Moving Target Component Requirements Phas

TBD

Work to start in May 2001

Documents

- Component Requirements Document (CDR) Not Completed

- Test Plan (CTP) Not Completed

No formal document

Milestones

- User Requirements received Not Completed

- Completion of Trade Studies Not Applicable

- Requirements analysis completed Not Completed

- Component Requirements Review Not Completed

- Sign-off the Component Requirements Doc Not Completed

Entrance Gate

- System Requirements Document Approved Completed

- System Design Document approved Completed

Exit Gate

- CDR approval Not Completed

Moving Target Design & Implementation Phase

TBD

Resource Issue, May not do

Documents

- Component Design Document Not Completed

Milestones

- Design Review Not Completed
- Code Review Not Doing
- Test Plan Review Not Doing

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Doing

Batch Check Component Requirements Phase

TBD

Work to start in Fall 2001

Documents

- Component Requirements Document (CDR) Not Completed
- Test Plan (CTP) Not Completed

No formal document

Milestones

- User Requirements received Not Completed
- Completion of Trade Studies Not Applicable
- Requirements analysis completed Not Completed
- Component Requirements Review Not Completed
- Sign-off the Component Requirements Doc Not Completed

Entrance Gate

- System Requirements Document Approved Completed
- System Design Document approved Completed

Exit Gate

- CDR approval Not Completed

Batch Check Design & Implementation Phase

TBD

Resource Issue, May not do

Documents

- Component Design Document Not Completed

Milestones

- Design Review Not Completed
- Code Review Not Doing
- Test Plan Review Not Doing

Entrance Gate

- System Requirements Document Completed
- System Design Document approved Completed
- Sufficient Requirements Completed

Exit Gate

- Delivery of Code for V&V Not Completed
- Successful Completion of Code Reviews Not Doing
- Approval of Component Test Plan Not Doing

Verification / Integration Phase - Jan 2001**Completed***Documents*

- Test Results Document (TRD) Completed

No formal document, turned into OPRs

Milestones

- Test Readiness Reviews Completed
- Review of test results Completed
- Operations Readiness Review Completed

Entrance Gate

- Software delivered to test team Completed

Exit Gate

- Approval of Operational Readiness Completed

Verification / Integration Phase - April 2001**On Going***Documents*

- Test Results Document (TRD) Not Completed

No formal document, turned into OPRs

Milestones

- Test Readiness Reviews Not Completed
- Review of test results Not Completed
- Operations Readiness Review Not Completed

Entrance Gate

- Software delivered to test team Completed

Exit Gate

- Approval of Operational Readiness Not Completed

Verification / Integration Phase - June 2001**TBD***Documents*

- Test Results Document (TRD) Not Completed

No formal document, turned into OPRs

Milestones

- Test Readiness Reviews Not Completed
- Review of test results Not Completed
- Operations Readiness Review Not Completed
- Entrance Gate*
- Software delivered to test team Not Completed
- Exit Gate*
- Approval of Operational Readiness Not Completed

Verification / Integration Phase - Jan 2002

TBD

Documents

- Test Results Document (TRD) Not Completed

No formal document, turned into OPRs

Milestones

- Test Readiness Reviews Not Completed
- Review of test results Not Completed
- Operations Readiness Review Not Completed

Entrance Gate

- Software delivered to test team Not Completed

Exit Gate

- Approval of Operational Readiness Not Completed

Verification / Integration Phase - June 2002

TBD

Documents

- Test Results Document (TRD) Not Completed

No formal document, turned into OPRs

Milestones

- Test Readiness Reviews Not Completed
- Review of test results Not Completed
- Operations Readiness Review Not Completed

Entrance Gate

- Software delivered to test team Not Completed

Exit Gate

- Approval of Operational Readiness Not Completed

Verification / Integration Phase - Jan 2003

TBD

Documents

- Test Results Document (TRD) Not Completed

No formal document, turned into OPRs

Milestones

- Test Readiness Reviews Not Completed

- Review of test results Not Completed
- Operations Readiness Review Not Completed
- Entrance Gate*
- Software delivered to test team Not Completed
- Exit Gate*
- Approval of Operational Readiness Not Completed

Operations Phase

On Going

We are operational now, just not fully functional

Documents

- Lessons Learned Document Living Document
- Operations/User Manuals Living Document

Updated for each release