

Title:	NOAA INFORMATION TECHNOLOGY REVIEW BOARD (NITRB) REQUIREMENTS GUIDANCE		
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**KEYWORDS**

ITIA, IT Investment authority

**PURPOSE AND SCOPE**

The NOAA Information Technology Review Board (NITRB) serves as NOAA’s authority to select, control, and evaluate information technology capital investments. The role of NITRB board members is to help the project managers prepare their business cases for the Department and OMB scrutiny.

Scope of this Standard: Guidance

Intended Use of this Standard: Checklist

**AUTHORITY**

1. Information Technology Management Reform Act of 1996.
2. DOO 10-5 *Effective Date:* 2003-12-31

**INTENDED AUDIENCE**

- Chief Information Officers
- Budget Officers
- Contracting Officers
- Project Managers
- Exhibit 300 Managers

**DESCRIPTION**

Supporting documents:

- Acquisition Strategy Requirements, updated 3-28-07
- Budget Initiative Review Example: OAR NESDIS NIDIS Briefing 6-13-06
- Delegation of Procurement Authority/ITIA Review: SARSAT CITRB 02-15-07
- System Control Review Example: AWIPS CITRB 072606
- Post Implementation Review Example: CITRB GOL final 9-27-06

This subject of policy or guidance falls into the category: CPIC, PM, and SDLC

## DEFINITIONS

*IT Investment Authority:* An ITIA is the CIO's permission for entering into a contract. An ITIA is needed from the Department of Commerce CIO for all investments over \$10 million and selectively below \$10 million. An ITIA may be granted by the NOAA CIO for all procurements below \$10 million.

## GUIDANCE

The following circumstances require a NOAA organization/program/project/investment to come before the NITRB:

### 1. **Budget request for new funds, either for an existing investment or a new investment.**

Required Action: Make sure your Line Office CFO or budget staff work with and seek approval from the NOAA Budget Office *PRIOR to the NITRB Review*.

Required Documents: Briefing Slides, and Budget Initiative Quad Chart (if the NITRB approves your request, a new Exhibit 300 or inclusion in an existing 300 will eventually be necessary). Additional documents that must be attached to your investment in the eCPIC system's Resource Library: the current Project Plan, Milestone Chart, Risk Management Plan, and Acquisition Plan.

Briefing Focus: Explain the Information Technology (IT)! What IT is the money purchasing? What IT Hardware? What Software? What IT Services? See section 2.0 below on the General Presentation Guidelines.

Final Check: Be sure the monetary figures in your Budget Initiative Quad Chart, Exhibit 300 Summary of Spending Tables (Section I. B.), and Briefing slides are in agreement.

### 2. **Request for IT Investment Authority (Old "DPA")**

Required Action: Make sure your Line Office CFO or budget staff work with and seek approval from the NOAA Budget Office *PRIOR to the NITRB Review*.

Required Documents: Exhibit 300, Acquisition Strategy (guidance updated 3-28-2007), Briefing Slides, and ITIA Quad Chart. Additional documents that must be attached to your investment in the eCPIC system's Resource Library: the current Project Plan, Milestone Chart, and Risk Management Plan.

Acquisition Strategy: This must be signed by all LO and NOAA-level signatories (including Helen Hurcombe) prior to coming before the NITRB. The Acquisition Strategy must also be "in sync" with the exhibit 300. Your Acquisition Strategy is the focus and your past successes.

Briefing Focus: Explain what IT is in the request. Is it for a new contract? If so, why? Are you renewing an old contract? If so, what lessons have you learned from the previous contract and how will you apply them? See section 2.0 below on the General Presentation Guidelines.

Final Check: Be sure the monetary figures in the Exhibit 300 Summary of Spending Tables (Section I. B.), Acquisition Strategy, your Quad Chart, and briefing slides are in agreement.

### 3. **System/Control Review**

Required Documents: Exhibit 300, Briefing Slides, and Budget Initiative Quad Chart. Additional documents that must be attached to your investment in the eCPIC system's Resource Library: the current Project Plan, Milestone Chart, Risk Management Plan, and Acquisition Plan.

Briefing Focus: Explain the Information Technology (IT)! What did the money spent purchase in the prior year (What IT Hardware, What Software, What IT Services)? What IT are you doing this year? Are you likely to meet your milestones (are you on schedule)? Use your Project Management section to show your strengths – highlight your EVM. Also see section 2.0 below on the General Presentation Guidelines.

Final Check: Be sure the monetary figures in your Quad Chart, Exhibit 300 Summary of Spending Tables (Section I. B.) and briefing slides are in agreement.

#### 4. **Post Implementation Review (PIR)**

**Required Documents:** Exhibit 300, Briefing Slides, and Quad Chart. Additional documents that must be attached to your investment in the eCPIC system's Resource Library: the current Project Plan, Milestone Chart, Risk Management Plan, and Acquisition Plan.

**Briefing Focus:** Congratulations, essentially a PIR review is where you speak about a successful phase or project you have just completed and you are sharing your knowledge and the lessons learned (give a slide or 2 to this in your Project Management section). Your focus should be on what you have accomplished and your lessons learned. The remainder follows a System Review format. What IT are you doing this year? Are you likely to meet other future milestones (are you still on schedule)? Also see section 2.0 below on the General Presentation Guidelines.

**Final Check:** Be sure the monetary figures in your Quad Chart, Exhibit 300 Summary of Spending Tables (Section I. B.) and briefing slides are in agreement.

## **NITRB Review Requirements and Preparation**

### **Overview**

The purpose of these reviews are to ensure that NOAA's major Information Technology (IT) investments are in alignment with NOAA and DOC's strategic direction, mission requirements, IT management requirements, and OMB directives (in particular E-Gov and IT Security). Depending on the review type and the circumstances of an investment, the requirements and criteria provided in this document are based upon overall best practices and are to be used as guidance where applicable and appropriate.

Specifically, each investment must show alignment and conformance with the following NOAA policy, planning, and guidance documents:

1. NOAA Strategic Plan
2. NOAA Strategic IT Plan
3. Annual Guidance Memorandum (where applicable)
4. Program Decision Memorandum (where applicable)
5. NOAA Enterprise Architecture
6. NOAA IT Security Plan/Architecture
7. NOAA Operational IT Plan

### **Required Documents**

The following documents are required for a complete NITRB/CITRB "package": Exhibit 300, briefing slides addressing the content and criteria identified below, an appropriate NITRB Quad Chart, Project Manager résumé, and Contracting Officer résumé. Additional documents that must be attached to your investment in the eCPIC system's Resource Library: the current Project Plan, Milestone Chart, Risk Management Plan, and Acquisition Plan.

**The package is due to the NOAA CIO, Office of Planning, Policy, and Analysis (OPPA) one week prior to the NITRB review date.**

### **Investment Scoring**

NITRB members will score each investment.

An overall score of "Green" for an investment means that the minimum NOAA IT capital planning requirements have been met. A score of "Yellow" means NITRB members have identified concerns that the investment must successfully address in writing before it may move forward to the CITRB. A score of Red means that NITRB members have identified serious concerns that must be addressed in a rescheduled presentation before the full NITRB.

## 2.0 General Notes on NITRB/CITRB Presentation

- Presentations before the NITRB contain *no more than 25 slides* and last no longer than 35 minutes, including time for questions (these criteria are the same time for the CITRB).
- Make sure your cover slide indicates the purpose of your presentation (e.g., ITIA request, budget request, system review) and the name of the presenter.
- Several “Introduction” slides will be necessary to explain what your project does and how it fills “the gap.”
- Describe the information technology (IT) investment including hardware, software, telecommunications, IT security, archiving, services, what are the life-cycle costs, and how it relates to the mission of NOAA and the Department of Commerce.
- Communicate what new investment is being proposed (if any) or what is being replaced (if anything) and its value to the mission.
- Include an Acronym Definitions Section in your Backup Slides.

Focus on the *information technology* to be employed in the proposed investment. Make the case that the proposed use of IT dollars is aligned with strategic plans, supports mission requirements, complies with architecture goals, minimizes investment risk, and demonstrates a positive return on the investment. Avoid acronyms – spell them out early and often (include Acronym definition pages in backup slides).

## 3.0 NITRB/CITRB Presentation Format and Scoring Criteria

The “Agenda” slide and the format of your slides\* must be:

**Introduction**  
**Basis for Investment**  
**Project Management**  
**Risk Management**  
**IT Security**  
**Architectural Compliance**  
**Administration/Departmental Goals and Initiatives**

\* 25 slides or fewer

You should not have any slides that have different headings than those listed above.

### Introduction

**Content:** For any NITRB/CITRB presentation to be successful, it is imperative that your audience understand what your investment does. How does your program impact taxpayers, DOC, NOAA? If you do not make this clear, your need for money or support will be misunderstood and your chances of success will greatly diminish.

If you answer that question, “What is it?” then you are half way to the finish line already.

***You are required to include the “Finance Slide” shown in Appendix A in the Introduction section of your presentation. Please use the correct slide for your type of presentation.***

*You are also required to include an “Architectural Fit” slide. Ask NOAA Enterprise Architect, David Layton for your LO template.*

### **Basis for Investment**

#### **Content:**

Describe the conditions that required a new capability or capacity to be fulfilled by the investment.

Viable alternatives: provide clear explanations of the alternatives considered (especially new investments). Describe the basis for the selected alternative.

Describe any other government systems that provide a similar capability and how that capability is leveraged in the proposed alternative.

Provide any context, background, drivers, policy, decisions or history needed to describe and explain the investment fully. Relate the investment to other projects or investments that will yield a One NOAA outcome.

Describe the objectives, outcomes, benefits, and costs of the investment.

Show that adequate funding is to be provided for all phases of the NOAA data lifecycle: Observation, Metadata generation and maintenance, Collection, Processing, Dissemination, Archiving and Retrieval.

Describe the Acquisition Strategy. Describe how competition on cost and solution will be achieved and how new requirements will be handled. Include any requirements for IT Investment Authority.

#### **Scoring Criteria:**

##### Green

Complete discussion of the overall profile of the investment, the gap filled, costs/benefits, ROI, outcomes, IT components, alternatives, and all of the content identified above.

##### Yellow

Partial discussion of the overall profile of the investment, the gap filled, costs/benefits, ROI, outcomes, IT components, alternatives, and most of the content identified above.

##### Red

Incomplete discussion of the overall profile of the investment, the gap filled, costs/benefits, ROI, outcomes, IT components, alternatives, and little of the content identified above.

### **Project Management**

#### **Content:**

Provide an organizational chart showing by whom and how the project is managed (include PM level for managers, and COR levels for COs).

If requesting an ITIA, include an organizational chart of the selection team for the contract.

Discuss all Cost, Performance, and Schedule plans and issues related to the investment.

Discuss the detailed Project Management Plan, how the project will be managed, and members and qualifications of the Integrated Project Team.

Review full life cycle management of the project.

Review Earned Value Management, Operational Analysis processes and systems for the investment. Discuss any challenges relative to Project Management.

Provide EVM metrics, if available.

Post Implementation Reviews and System Reviews should contain a “Lessons Learned” slide. Note that it is not necessary for lessons to be learned from failures. If you made decisions in your program that had positive impacts you can list those successes as lessons learned as well.

### **Scoring Criteria:**

#### Green

Complete discussion of the Project Management Plan, qualifications EVM/Ops Analysis, performance measures, project management systems, and all of the content identified above.

#### Yellow

Partial discussion of the Project Management Plan, qualifications EVM/Ops Analysis, performance measures, project management systems, and most of the content identified above.

#### Red

Incomplete discussion of the Project Management Plan, qualifications EVM/OPS Analysis, performance measures, project management systems, and little of the content identified above.

### **Risk Management**

#### **Content:**

Discuss the major risks of the investment and mitigations to those risks.

Discuss how the acquisition or management/project plans mitigate risks.

Discuss any techniques or approaches that mitigate risks e.g., testing over the development lifecycle (including prototyping and acceptance testing), COTS/GOTS software, performance based contracts (describe how performance will be measured and incentivized), modular design, security design, etc.

A grid showing risks to the investment (or procurement) will also be needed. An example can be found at Appendix B. When listing types of risk you should use OMB’s 19 categories if at all possible; they are:

- 1) schedule
- 2) initial costs
- 3) life-cycle costs
- 4) technical obsolescence
- 5) feasibility
- 6) reliability of systems
- 7) dependencies and interoperability between this investment and others
- 8) surety (asset protection) considerations
- 9) risk of creating a monopoly for future procurements
- 10) capability of agency to manage the investment
- 11) overall risk of investment failure
- 12) organizational and change management
- 13) business
- 14) data/info
- 15) technology
- 16) strategic
- 17) security

- 18) privacy
- 19) project resources

If you have a risk that does not fit into one of these categories then you may use one of your own.

**Scoring Criteria:**

Green

Complete discussion of the risks to the investment and their mitigation, and all of the content identified above.

Yellow

Partial discussion of the risks to the investment and their mitigation, and only most of the content identified above.

Red

Incomplete discussion of the risks to the investment and their mitigation, and little of the content identified above.

**IT Security**

**Content:**

A description of how the project is compliant with the NOAA/DOC IT Security Program and the DOC/NOAA IT Security Architecture.

Discuss the Security Plan, Security profile, operational and technical controls, Certification and Accreditation, Plans of Action and Milestones (POA&Ms) including funding for corrective actions.

Discuss the adequacy of funding to support the C&A process and all of the controls expected to be required as a consequence of performing the Configuration, Integrity, and Availability (C, I, & A) analysis of the system's data.

Discuss Continuity of Operations, Critical Infrastructure Protection COOP/CIP planning, status, and results.

Discuss secure configuration compliance, patch management, intrusion detection/response.

Discuss compliance with the requirement that legacy system security requirements be met before investments are made in new systems.

Discuss any projected or actual IT Security issues.

**Scoring Criteria:**

Green

Complete discussion of the Security Plan, C&A, POA&Ms, COOP, CIP, security configuration, patch management, and intrusion detection and response, and all of the content identified above.

Yellow

Partial discussion of the Security Plan, C&A, POA&Ms, COOP, CIP, security configuration, patch management, and intrusion detection and response, and most of the content identified above.

Red

Incomplete discussion of the Security Plan, C&A, POA&Ms, COOP, CIP, security configuration, patch management, and intrusion detection and response, and little of the content identified above.

**Architectural Compliance**

## **Content:**

This section is made up of three components: Collaboration, Reuse, and Standards. An example is provided at Appendix C

### Collaboration

Discuss collaboration on achieving enterprise solutions.

Discuss how OMB, DOC, and NOAA-wide IT strategic principles, objectives, or initiatives align to the investment as specified in the NOAA Strategic Information Technology Plan.

Explain the coordination and use of relevant NOAA-wide IT initiatives (e.g., HPC).

Discuss any relationship to the E-Gov initiatives or Lines of Business, or rationale for no relationship.

In the absence of an enterprise solution, discuss the aggregation of IT requirements such as computational capacity, programming, database management, network support, telecommunications, and data management within your LO, Program, or Mission Goal.

### Reuse

Explain the identification and use of other existing DOC, NOAA, or other federal agency IT investments that could in whole or in part satisfy the requirements for the investment (e.g., NOAAnet).

Discuss how the project will make its solution discoverable & reusable by other parts of NOAA, DOC, or the federal government through registration in CORE.gov, publication of API's, or usage of Service Oriented Architecture (SOA) principles.

### Standards

Highlight the investments use of standards such as:

- From NOAA or LO Technical Reference Model
- Emerging data standards from the DMIT
- Open International Standards (e.g., IEEE, ISO, UN/CEFACT, etc.)
- Federal standards (FIPS, FGDC, ANSI, etc.)
- Industry verticals (OASIS XML schemas, etc.)

If the investment requires review or approval by the Department of Commerce Information Technology Review Board (CITRB) arrange to meet with your Line Office Enterprise Architect or Line Office Enterprise Architecture (EA) Committee representative to answer a series of questions for the DOC Enterprise Architecture Review Board (EARB). The EARB provides recommendations to the Department of Commerce (DOC) Chief Information Officer (CIO), the CIO Council, and the CITRB on the results of the board's review and evaluation of compliance of IT investments with the DOC EA.

## **Scoring Criteria:**

### Green

Complete discussion of the investment relative to collaboration, reuse and standards; and all of the content identified above.

### Yellow

Partial discussion of the investment relative to collaboration, reuse and standards; and most of the content identified above.

### Red

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Incomplete discussion of the investment relative to collaboration, reuse and standards; and little of the content identified above.

### **Administration/Departmental Goals and Initiatives**

#### **Content:**

Summarize/Review relationship of investment to any federal, DOC, or NOAA Goals and restate in summary fashion the investment and how it supports the DOC/NOAA mission.

#### **Scoring Criteria:**

##### Green

Complete discussion of investment relative to OMB, DOC, and NOAA goals and initiatives.

##### Yellow

Partial discussion of investment relative to OMB, DOC, and NOAA goals and initiatives.

##### Red

Incomplete discussion of investment relative to OMB, DOC, and NOAA goals and initiatives.

### **Backup Slide(s)**

The NOAA quad chart is provided as an Executive Summary for your presentation and should be included in the *Backup Slides*. You will find appropriate quad charts for your type of presentation in Appendix D.

You must include the Standard NOAA Glossary of Terms list. Please check to see that any Acronym that is used in your presentation is included in the list. The standard list may be obtained from the latest NOAA Operational IT Plan (OITP).



# Appendix A

## ITIA

<b>(\$K):</b>	<b>Base Year</b>	<b>Option Yr</b>				
<b>CAPABILITY:</b>						
Funding (PAC)	0.0	0.0	0.0	0.0	0.0	0.0
Funding (ORF)	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

<b>IT COMPONENTS:</b>	<b>Base Year</b>	<b>Option Yr</b>				
Hardware (Example: Desktop / Servers)	0.00	0.00	0.00	0.00	0.00	0.00
Hardware (Example: Supercomputer)	0.00	0.00	0.00	0.00	0.00	0.00
COTS Software (Example: UNIX)	0.00	0.00	0.00	0.00	0.00	0.00
Support Services (ex. Software Development)	0.00	0.00	0.00	0.00	0.00	0.00
Telecommunications (Example: Circuits)	0.00	0.00	0.00	0.00	0.00	0.00
IT Security (Example: C&A costs, training, Plans, Software, etc.)	0.00	0.00	0.00	0.00	0.00	0.00
IT Training (Example: Router training, etc.)	0.00	0.00	0.00	0.00	0.00	0.00
Common Services (Example: Help Desk)	0.00	0.00	0.00	0.00	0.00	0.00

## System Review/Post Implementation Review

<b>(\$K):</b>	<b>PY XX</b>	<b>BY XX</b>	<b>FY BY+1</b>	<b>FY BY+2</b>	<b>FY BY+3</b>	<b>FY BY+4</b>
<b>CAPABILITY:</b>						
DME	0.0	0.0	0.0	0.0	0.0	0.0
SS (Steady State)	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

<b>IT COMPONENTS:</b>	<b>PY XX</b>	<b>BY XX</b>	<b>FY BY+1</b>	<b>FY BY+2</b>	<b>FY BY+3</b>	<b>FY BY+4</b>
Hardware (Example: Desktop / Servers)	0.00	0.00	0.00	0.00	0.00	0.00
Hardware (Example: Supercomputer)	0.00	0.00	0.00	0.00	0.00	0.00
COTS Software (Example: UNIX)	0.00	0.00	0.00	0.00	0.00	0.00
Support Services (ex. Software Development)	0.00	0.00	0.00	0.00	0.00	0.00
Telecommunications (Example: Circuits)	0.00	0.00	0.00	0.00	0.00	0.00
IT Security (Example: C&A costs, training, Plans, Software, etc.)	0.00	0.00	0.00	0.00	0.00	0.00
IT Training (Example: Router training, etc.)	0.00	0.00	0.00	0.00	0.00	0.00
Common Services (Example: Help Desk)	0.00	0.00	0.00	0.00	0.00	0.00



**NOAA Information Technology Review Board Guidance**  
**NOAA OCIO Information Technology Standard**

**NISN: 3.007**

**Budget Initiative**

<b>(\$K):</b>	<b>CY</b>	<b>BY</b>	<b>BY+1</b>	<b>BY+2</b>	<b>BY+3</b>	<b>BY+4</b>
<b><i>CAPABILITY:</i></b>						
Current Program	\$0	\$0	\$0	\$0	\$0	\$0
Current IT Resources	\$0	\$0	\$0	\$0	\$0	\$0
Program Adjustment	\$0	\$0	\$0	\$0	\$0	\$0
IT Program Adjustment	\$0	\$0	\$0	\$0	\$0	\$0
<b>Program Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b><i>Components for IT Adjustment:</i></b>	<b>CY</b>	<b>BY</b>	<b>BY+1</b>	<b>BY+2</b>	<b>BY+3</b>	<b>BY+4</b>
Hardware (Example: Desktop / Servers)	0.00	0.00	0.00	0.00	0.00	0.00
Hardware (Example: Supercomputer)	0.00	0.00	0.00	0.00	0.00	0.00
COTS Software (Example: UNIX)	0.00	0.00	0.00	0.00	0.00	0.00
Support Services (ex. Software Development)	0.00	0.00	0.00	0.00	0.00	0.00
Telecommunications (Example: Circuits)	0.00	0.00	0.00	0.00	0.00	0.00
IT Security (Example: C&A costs, training, Plans, Software, etc.)	0.00	0.00	0.00	0.00	0.00	0.00
IT Training (Example: Router training, etc.)	0.00	0.00	0.00	0.00	0.00	0.00
Common Services (Example: Help Desk)	0.00	0.00	0.00	0.00	0.00	0.00



# Appendix B

## Risk Management

OMB Risk Category	Description	Prob	Impact	Mitigation Strategy	Current Status
Project Resources	Given the age, structural deficiencies, and foundation problems, the useful life of the Fairbanks CDA Operations building is 5 years. High impact of catastrophic loss of data from satellites passing over facility. Funding for replacement not approved by DOC.	High	High	Strategy under consideration	Updated report from Corp of Engineers due shortly
Technical Obsolescence	Computers and networks aging and near capacities and may not meet required operational performance over the next 5 years	Low	Medium	Sound system engineering processes prioritize funding for routine and non-routine system maintenance	Existing computers and networks are meeting operational performance requirements



## Appendix C

- Collaboration on Achieving Enterprise Solutions
  - Ground Systems Division provides coordinated IT systems planning and development
  - Consolidation of two major satellite data processing systems into one system
  - Ground Systems architecture transitioning to a consolidated testing and development environment for ORA and ESPC
  - Ground Systems are part of the GEO/Integrated Data Environment system of systems architecture effort
  
- Reuse of existing assets
  - Asset co-location at the Wallops and Fairbanks ground station facilities
  - Shared use of Multi Protocol Label Switching for Wide Area Network in progress
  - Existing systems routinely modified to support new satellites
  - Consolidated Analyst WorkStation – Allows analyst workstations to support multiple instrument processing
  
- Usage of Standards
  - Design complies with NOAA and Federal Enterprise Architecture standards
  - Complies with statutory requirements
  - Established of Best Practices and Standards Team through IT Architecture Team
    - IEEE/EIA 12207 Training (Software development)
    - Use of proposed Unified Modeling Language standard to specify Ground System components for appropriate projects



# Appendix D

## ITIA Quad Chart



NOAA Information Technology Review Board  
 Name of Project



ITIA REVIEW	FUNDING																																																																																																									
<ul style="list-style-type: none"> <li>NOAA GOAL:</li> <li>NOAA PROGRAM:</li> <li>EXHIBIT 300:</li> <li>TITLE OF ACQUISITION:</li> <li>TYPE OF ACQUISITION (Competitive, Sole Source):</li> <li>PROJECT MANAGER:</li> <li>CONTRACTING OFFICER:</li> <li>COTR:</li> </ul>	<table border="1"> <thead> <tr> <th>(\$K):</th> <th>Base Year</th> <th>Option Yr</th> <th>Option Yr</th> <th>Option Yr</th> <th>Option Yr</th> <th>Option Yr</th> </tr> </thead> <tbody> <tr> <td colspan="7"><b>CAPABILITY:</b></td> </tr> <tr> <td>Funding (PAC)</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Funding (CRF)</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Total</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="7"><b>IT COMPONENTS:</b></td> </tr> <tr> <td></td> <td>Base Year</td> <td>Option Yr</td> <td>Option Yr</td> <td>Option Yr</td> <td>Option Yr</td> <td>Option Yr</td> </tr> <tr> <td>Hardware (Example: Desktop / Servers)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Hardware (Example: Supercomputer)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>COTS Software (Example: UNIX)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Support Services (ex. Software Development)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Telecommunications (Example: Circuits)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>IT Security (Example: C&amp;A costs, training, Plans,</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>IT Training (Example: Router training, etc.)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Common Services (Example: Help Desk)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> </tbody> </table>	(\$K):	Base Year	Option Yr	<b>CAPABILITY:</b>							Funding (PAC)	0.0	0.0	0.0	0.0	0.0	0.0	Funding (CRF)	0.0	0.0	0.0	0.0	0.0	0.0	Total	0.0	0.0	0.0	0.0	0.0	0.0	<b>IT COMPONENTS:</b>								Base Year	Option Yr	Hardware (Example: Desktop / Servers)	0.00	0.00	0.00	0.00	0.00	0.00	Hardware (Example: Supercomputer)	0.00	0.00	0.00	0.00	0.00	0.00	COTS Software (Example: UNIX)	0.00	0.00	0.00	0.00	0.00	0.00	Support Services (ex. Software Development)	0.00	0.00	0.00	0.00	0.00	0.00	Telecommunications (Example: Circuits)	0.00	0.00	0.00	0.00	0.00	0.00	IT Security (Example: C&A costs, training, Plans,	0.00	0.00	0.00	0.00	0.00	0.00	IT Training (Example: Router training, etc.)	0.00	0.00	0.00	0.00	0.00	0.00	Common Services (Example: Help Desk)	0.00	0.00	0.00	0.00	0.00	0.00								
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## System Review/Post Implementation Review Quad Chart



NOAA Information Technology Review Board  
 Name of Project



SYSTEM REVIEW	FUNDING																																																																																																									
<ul style="list-style-type: none"> <li>NOAA GOAL:</li> <li>NOAA PROGRAM:</li> <li>Exhibit 300:</li> <li>TYPE OF IT INVESTMENT (DME/SS/Mixed):</li> <li>DESCRIPTION OF IT INVESTMENT:</li> <li>PERFORMANCE MEASURES:</li> <li><u>Outcome:</u></li> </ul>	<table border="1"> <thead> <tr> <th>(\$K):</th> <th>FY 06</th> <th>FY 07</th> <th>FY 08</th> <th>FY 09</th> <th>FY 10</th> <th>FY 11</th> </tr> </thead> <tbody> <tr> <td colspan="7"><b>CAPABILITY:</b></td> </tr> <tr> <td>DME</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>SS (Steady State)</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Total</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td colspan="7"><b>IT COMPONENTS:</b></td> </tr> <tr> <td></td> <td>FY 06</td> <td>FY 07</td> <td>FY 08</td> <td>FY 09</td> <td>FY 10</td> <td>FY 11</td> </tr> <tr> <td>Hardware (Example: Desktop / Server)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Hardware (Example: Supercomputer)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>COTS Software (Example: UNIX)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Support Services (ex. Software Devel</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Telecommunications (Example: Circuits)</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>IT Security (Example: C&amp;A costs, train</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>IT Training (Example: Router training, e</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Common Services (Example: Help Des</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> </tbody> </table>	(\$K):	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	<b>CAPABILITY:</b>							DME	0.0	0.0	0.0	0.0	0.0	0.0	SS (Steady State)	0.0	0.0	0.0	0.0	0.0	0.0	Total	0.0	0.0	0.0	0.0	0.0	0.0	<b>IT COMPONENTS:</b>								FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	Hardware (Example: Desktop / Server)	0.00	0.00	0.00	0.00	0.00	0.00	Hardware (Example: Supercomputer)	0.00	0.00	0.00	0.00	0.00	0.00	COTS Software (Example: UNIX)	0.00	0.00	0.00	0.00	0.00	0.00	Support Services (ex. Software Devel	0.00	0.00	0.00	0.00	0.00	0.00	Telecommunications (Example: Circuits)	0.00	0.00	0.00	0.00	0.00	0.00	IT Security (Example: C&A costs, train	0.00	0.00	0.00	0.00	0.00	0.00	IT Training (Example: Router training, e	0.00	0.00	0.00	0.00	0.00	0.00	Common Services (Example: Help Des	0.00	0.00	0.00	0.00	0.00	0.00
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<p><b>EVMS</b></p> <p>Prior Mo.-1 Prior Mo. Current Mo.</p> <ul style="list-style-type: none"> <li>Cost Variance %</li> <li>Schedule Variance %</li> <li>Performance Variance %</li> </ul> <p>If variance is &gt; plus or minus 10%, provide explanation &amp; plan to get back on target.</p> <p><b>OA</b></p> <ul style="list-style-type: none"> <li>Discuss current performance of investment including cost, schedule, or performance issues.</li> </ul>	<ul style="list-style-type: none"> <li>C&amp;A Name, ID Number, Year of Approval:</li> <li>C&amp;A Sensitivity Level: (High/Medium/Low):</li> <li>IPv6 Status:</li> <li>Milestones: Bulleted Listing of Key Milestones with Quantitative Description and Dates.</li> <li>Risks/Barriers:</li> <li>EA Transition to Target</li> </ul>																																																																																																									



**NOAA Information Technology Review Board Guidance**  
**NOAA OCIO Information Technology Standard**

NISN: 3.007

**IT Budget Initiative Quad Chart**



**NOAA Information Technology Review Board**  
**Name of Project**



BY 2009 IT BUDGET INITIATIVE		FUNDING						
<ul style="list-style-type: none"> <li>▪ NOAA GOAL:</li> <li>▪ NOAA PROGRAM:</li> <li>▪ EXHIBIT 300:</li> <li>▪ REQUIREMENT:</li> <li>▪ DESCRIPTION OF IT ADJUSTMENT:</li> <li>▪ PERFORMANCE MEASURES:</li> <li>▪ <u>Outcome:</u></li> </ul>	(SKY)	CY	BY	BY+1	BY+2	BY+3	BY+4	
	<b>CAPABILITY:</b>							
	Current Program	\$0	\$0	\$0	\$0	\$0	\$0	
	Current IT Resources	\$0	\$0	\$0	\$0	\$0	\$0	
	Program Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	
	IT Program Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Program Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
	<b>Components for IT Adjustment:</b>	CY	BY	BY+1	BY+2	BY+3	BY+4	
	Hardware (Example: Desktop / Servers)	0.00	0.00	0.00	0.00	0.00	0.00	
	Hardware (Example: Supercomputer)	0.00	0.00	0.00	0.00	0.00	0.00	
	COTS Software (Example: UNIX)	0.00	0.00	0.00	0.00	0.00	0.00	
	Support Services (ex. Software Develop)	0.00	0.00	0.00	0.00	0.00	0.00	
	Telecommunications (Example: Circuits)	0.00	0.00	0.00	0.00	0.00	0.00	
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BENEFITS & RISKS		ACTIVITIES, SCHEDULE & MILESTONES						
<ul style="list-style-type: none"> <li>▪ Impact:</li> <li>▪ Risk/Barrier:</li> </ul>		Milestones:  NOAA/DOC Issues: <ul style="list-style-type: none"> <li>• IPv6 Status</li> <li>• C&amp;A ID Number and Approval Date (MM/YY) :</li> <li>• C&amp;A Sensitivity Level (High/Medium/Low):</li> <li>• EA Transition to Target</li> </ul>						