



# RPI and Condition Reporting



I2M  
*Integrated Installation  
Management*



# What is I2M?

*Integrated Installation Management*

- *A single, comprehensive, Web-site where:*
  - Any Info Seeker can do One-Stop Shopping for Authoritative CNRMA & CNE Facilities Asset and Deficiency Data
  - Installation Managers at all Organizational Levels can Transact Official SRM Program Management Business
- Users need only a Computer, Web Browser, Internet Access and Appropriate Privileging

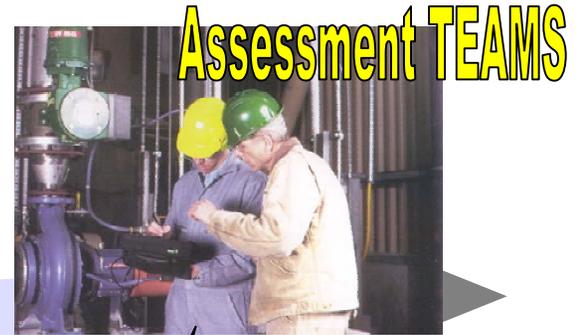


# SRM Program Management

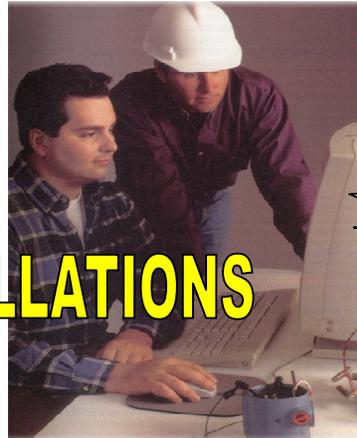
- Manage FCAP Inspection Data
- Document “New Find” Deficiencies
- Generates AIS Submission
- Prepare IRRS/Project Reports
- Package Work/Project Planning
- Create IPL's & MAP's
- Basic GIS Functionality



**IRRS/AIS/MAXIMO**



**INSTALLATIONS**



**I2M.mil**



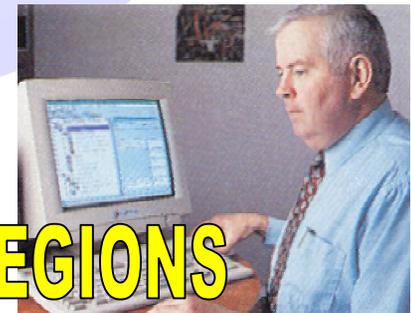
**NFADB**

**GRAPHICS**

**HQ**



**REGIONS**





# Issues

- 
- Implementation of CNI--What Direction will we Follow?
  - PAC FLT uses RSIP-Link and RSIMS
  - CNI to Provide Direction regarding Base Operating Support Application Development, Maintenance and Procurement
  - CNI's Intent is to Centrally Control BOS Applications



# Facilities Condition Assessment Program (FCAP)

9/11/2003

*Regional Engineer*

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# Facility Condition Assessment Program

- *FCAP*
  - A comprehensive, effort for planning, scheduling, executing and managing facility inspections and capturing inspection data
  - Selection of multiple inspection service providers AE, Contractors, LANTDIV, SDIV, PWC, NFESC
  - Managed by LANTDIV Code BE

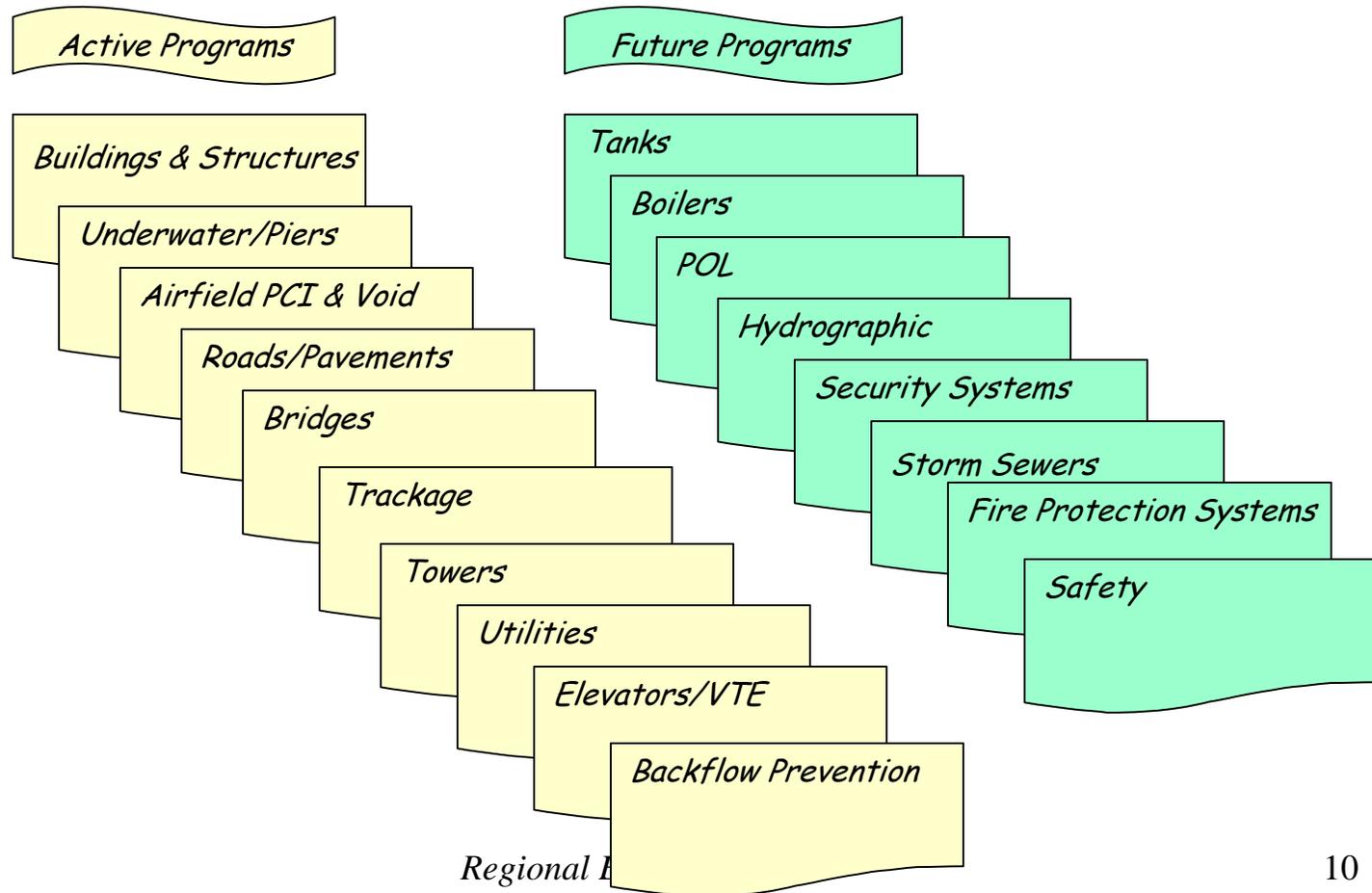


# FCAP Products

- NFADB Changes/Update Data
- Cost Estimates
- Metrics
- Centralized Data Capture
- Feeder for AIS, IRRS, via I2M



# Inspections by Type





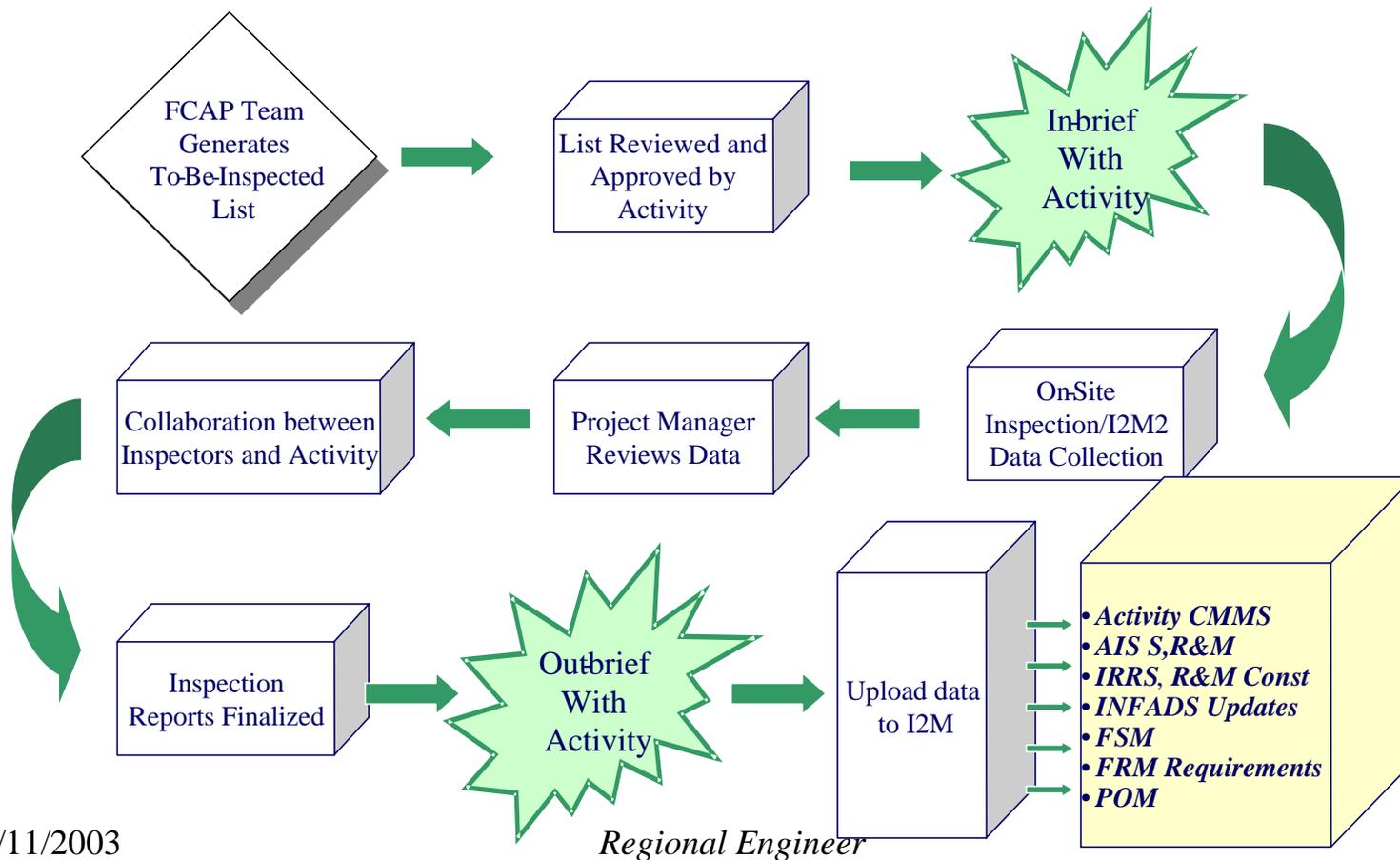
# FCAP

## Major Features

- FCAP Scheduler - In-house program for inspections
- SOWs - Developed for all inspection services
- I2M2
  - Field data collection tool
  - Develop and contract for upgrades
- I2M
  - Data repository
  - Develop requirements for upgrades
- iNFADS - Use as data source and request data mods
- SRM, AIS, IRRS - Assurance of correct feeder data



# General FCAP Data Flow





# **IRRS**

## **Installation Readiness Reporting System**



# IRRS Concept

## What is IRRS?

- **“A decision support system to improve management of limited resources for installations.”**
- **Designed --**
  - To be a commander’s tool
  - To be user friendly
  - To satisfy OSD reporting requirements
- **Identifies problems and estimates requirements**
  - Quality/quantity of facilities
  - Costs to improve facility condition
- **Objective and Auditable Approach**
  - Based on real property data
  - Uses standard calculations
  - Uses DoD cost factors
  - Allows commander overwrites



# Major IRRS Tasks (System)

- Inputs
  - Load facility deficiency data
  - Retrieve PRV, requirements and asset inventory from iNFADS
  - Display supporting project and new footprint construction data
- Calculate Quality (Q), Quantity (N) and overall Facility (F) Ratings at the Facility Class, Category Group, Basic Category and Facility Analysis Category levels
- Allow comments and overwrites to calculated ratings at Facility Class and Category Group levels
- Allow assignment of Installation Readiness Report (IRR) C-Rating at the IMC level and higher
- Calculate improvement/restoration costs and facility replacement costs



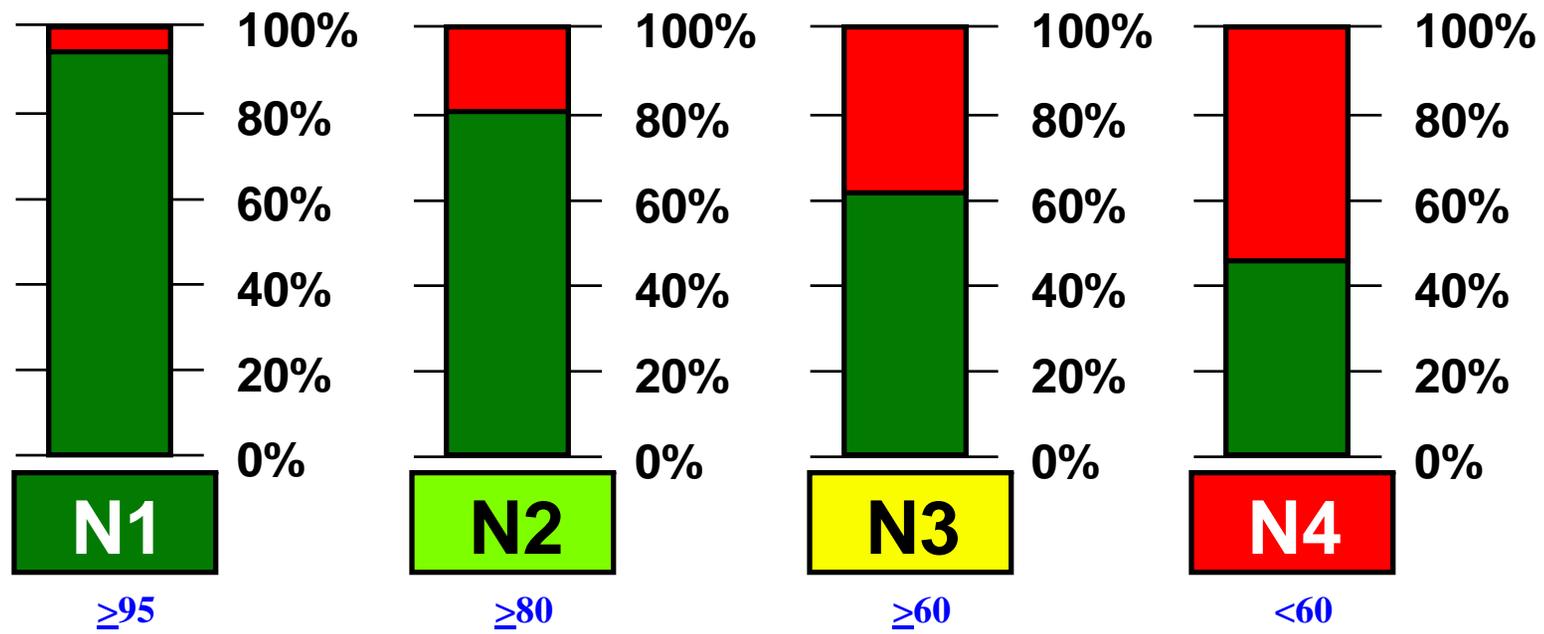
# IRRS Ratings

- Four different ratings are used in IRRS
- N Ratings (Quantity): Facility assets versus requirements
- Q Ratings (Quality): Facility deficiencies versus PRV
- F Ratings (Combined): Overall assessment of quality and quantity
- C Ratings (Readiness): Used at the IMC & HQ Navy levels only. This rating takes the qualitative and quantitative aspects of the facilities in relation to mission readiness.



# Quantity N-Ratings (% of Facility Requirement)

On-Hand  
Shortage

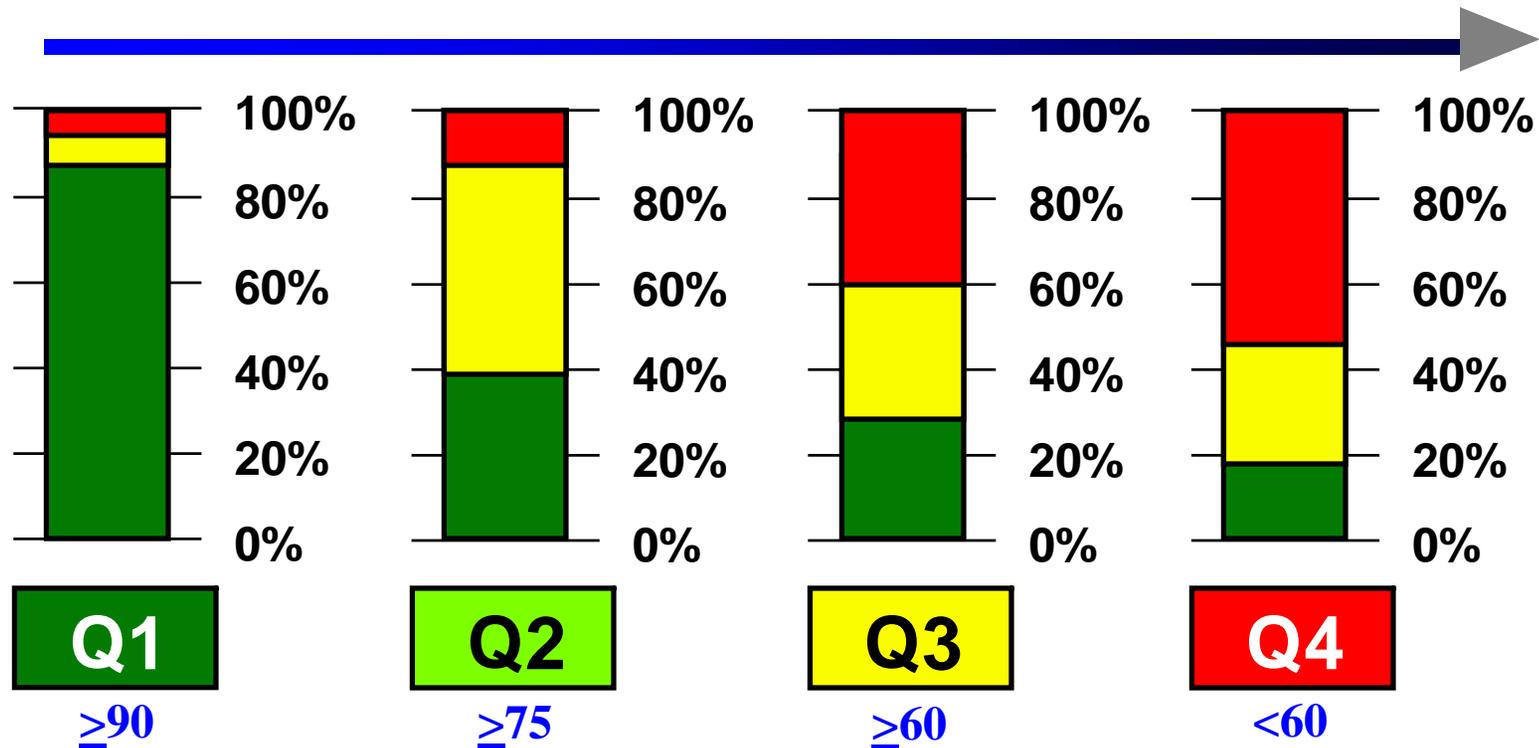


Quantity N-Rating :  $\frac{\text{On-Hand Facilities}}{\text{Required Facilities}}$



# Quality Q-Ratings

(% of Facility Ratings)

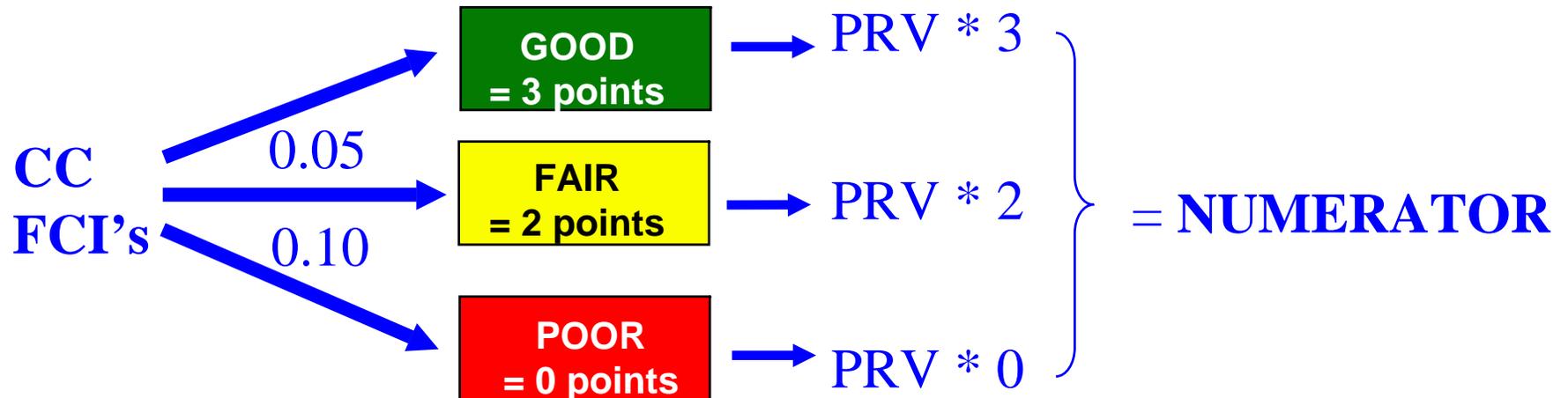


Quality Q-rating → Calculated in three-step process.  
FCI – Quality Points – PRV Weighting



# FCI and Quality Q-Rating Calculations

$$\frac{\Sigma \text{ AIS Deficiencies } \$}{\Sigma \text{ PRV } \$} = \text{FCI (Facility at Prime Use CC)}$$



**MAX POSSIBLE** →  $\Sigma \text{ PRV} * 3 = \text{DENOMINATOR}$

$$\frac{\text{NUMERATOR}}{\text{DENOMINATOR}} = \text{RAW Q-RATING}$$

*Regional Engineer*



# Quality Rating Calculation Example

Example: Four buildings, different CC's roll to FAC

Bldg A: FCI = 0.03 = GOOD = 3 PRV = \$50

Bldg B: FCI = 0.06 = FAIR = 2 PRV = \$20

Bldg C: FCI = 0.10 = FAIR = 2 PRV = \$40

Bldg D: FCI = 0.12 = POOR = 0 PRV = \$30

$$\frac{(3 \times \$50) + (2 \times \$20) + (2 \times \$40) + (0 \times \$30)}{(3 \times \$50) + (3 \times \$20) + (3 \times \$40) + (3 \times \$30)} = \frac{270}{420} = 0.64$$

Q-Rating = 64% = Q3



# Facilities and Deficiency List Windows



**Facilities**  
Active (FY 2003)

FAC	Catcode	Catcode Description	Facility #	Size	UM	Deficiency Cost	PRV	FCI	Condition
6100	61010	ADMIN OFF	103NS	4,290	SF	16,305	802,058	0.0203	Good
6100	61010	ADMIN OFF	1341	38,636	SF	19,512	8,080,120	0.0024	Good
6100	61010	ADMIN OFF	147	25,220	SF	593,000	4,214,826	0.1406	Poor
6100	61010	ADMIN OFF	150	71,510	SF	78,375	14,676,714	0.0053	Good
6100	61010	ADMIN OFF	1514	22,131	SF	94,405	4,901,420	0.0192	Good
6100	61010	ADMIN OFF	1616	1,404	SF	13,157	267,247	0.0492	Good
6100	61010	ADMIN OFF	166	3,045	SF	597,639	569,293	1.0497	Poor
6100	61010	ADMIN OFF	167	21,959	SF	1,444,051	4,105,455	0.3517	Poor
6100	61010	ADMIN OFF	1673	1,000	SF	0	186,960	0	Good
6100	61010	ADMIN OFF	16NS	6,024	SF	21,185	1,126,247	0.0188	Good
6100	61010	ADMIN OFF	1732	2,777	SF	0	519,188	0	Good

Close

**Deficiency Viewer**  
Active (FY 2003)

Fund Source	Deficiency Code	Deficiency Type	Estimated Cost	Project Number	Public Works Number	Description of Work
OMN	Above Commanding Officer's authority	Mission	539,000	RC31-96	17	STRUCTURAL REPAIRS
OMN	Above Commanding Officer's authority	Mission	54,000	RC31-96	16	DESIGN

Close



# Project Window

The screenshot shows a window titled "Projects" with a sub-header "Active (FY 2003)". It contains a table with the following data:

UIC	Facility No.	SFA	Catcode	Project No.	Fund Source	Title Description	Estimated Cost	Status	Type of Problem
N62813		NF	61010	633	MCON	JICPAC RELOCATION (INC...	19,000,000	UP	Q
N62813		NF	61010	633A	MCON	JICPAC RELOCATION(INCR...	45,000,000	UP	Q
N62813		NF	61010	623	MCON	CONSOL PERS SPT SVCS	28,000,000	UP	Q
N62813		NF	61010	633B	MCON	JICPAC RELOCATION PH III	20,500,000	UP	Q
N62813	147	RM	61010	RC31-96	OMN	RELO SVC CRFT B147/148	133,000	UP	N
N62813	661	RM	61010	RC506-99	OMN	REPAIR/RENOV BLDG 661	225,000	UP	Q



# Overall Facility F-Rating

- The calculated F-Rating will be the lower rating of the Quantity and Quality Rating.

– For example: Q3 and N1 = F3



- The F-Rating receives comments and Commander's overwrites.



# Comments and Overwrites

- Comments:

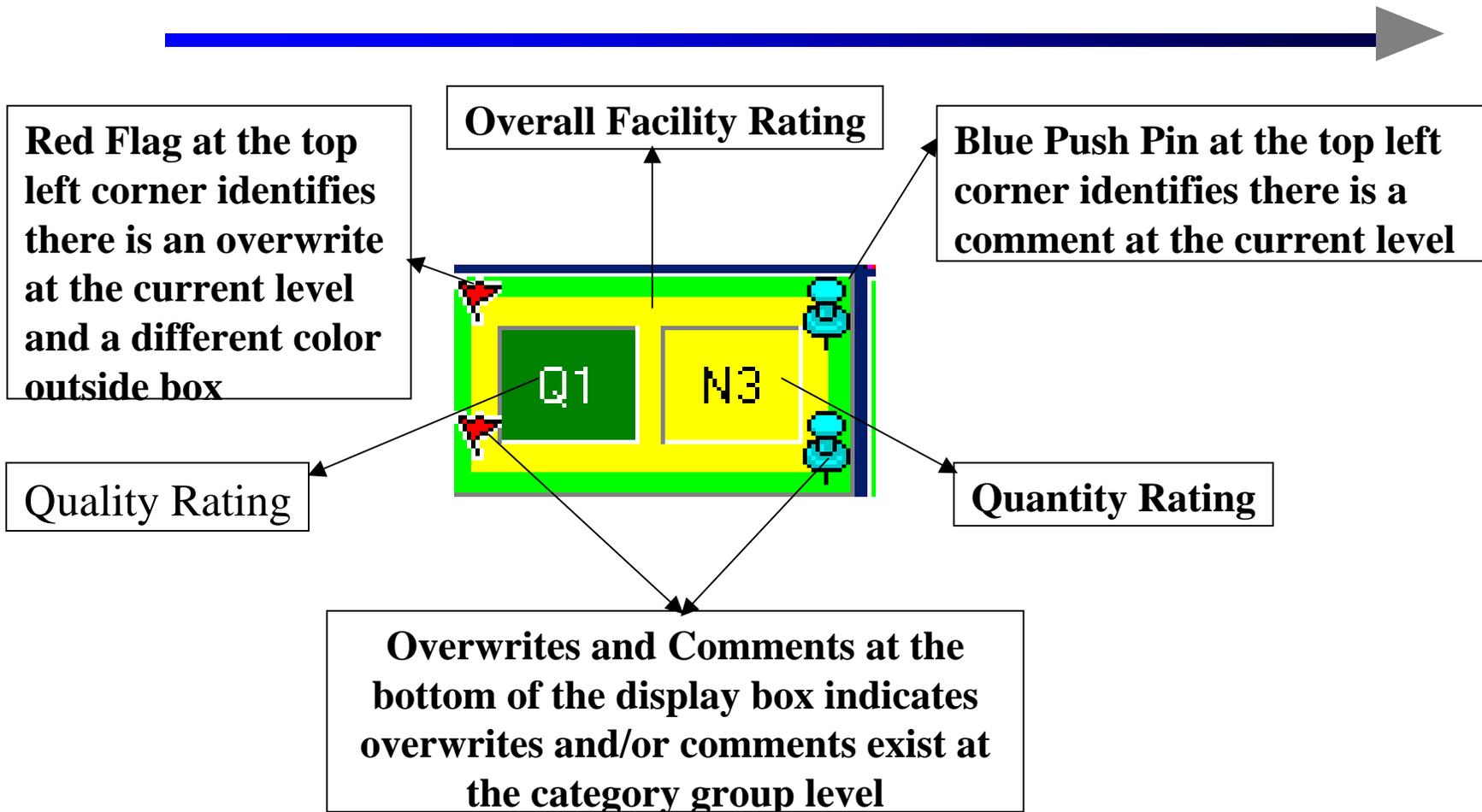
- Must enter comments for all F-3 and F-4 ratings at the category group and facility class level.
- Comments should include major reasons for the rating from a quality and/or quantity perspective and identify the major projects that will improve the rating

- Overwrites:

- May be necessary to address inaccurate qualitative/quantitative data or if calculated rating does not accurately reflect readiness
- All overwrites require justification, including whether the overwrite is due to data issues and/or readiness issues



# Display Box Comments and Overwrite Indicators





# IRR C-Ratings



# Installation Readiness Rating (IRR) C-Rating

- Authorized users at the IMC level enter the C-Rating using the IRR editor at the Facility Class level. This functionality is in addition to the Q, N, F and Commander's Overwrite ratings. Viewable by IMC view and edit users and HQ edit users only. C-Ratings will be populated initially with the corresponding IRRS F-Rating.

The screenshot shows the IRRS - Navy software interface. The main window displays a grid of IRR ratings for various facility classes across different command levels. The grid is organized into columns representing facility classes and rows representing command levels. The ratings are color-coded: Green for C1, Yellow for C2, Orange for C3, and Red for C4. A legend on the right indicates the color coding for IRR ratings 1 through 4.

	1 - Operational and Training Facilities	2 - Maintenance and Production Facilities	3 - Research, Development, Test and Evaluation Facilities	4 - Supply Facilities	5 - Hospital and Medical Facilities	6 - Administrative Facilities	7 - Housing and Community Facilities	8 - Utilities and Grounds Improvements
Commander U.S. Atlantic Fleet	C2	C4	C2	C3	C3	C4	C4	C2
Commander U.S. Pacific Fleet	C2	C2	C2	C2	C4	C3	C3	C2
Naval Sea Systems Command	C4	C3	C2	C1	C4	C4	C3	C2
Naval Air Systems Command	C2	C3	C2	C1	C4	C2	C3	C2
Commander Naval Forces Europe	C1	C3	N/A	C2	C1	C3	C3	C2
Chief of Naval Operations	C3	C4	C1	C3	C3	C4	C4	C2
Naval Education and Training Command	C3	C3	C4	C4	C3	C4	C4	C2
Commander Naval	C2	C3	N/A	C3	C2	C4	C4	C2

1 - Operational and Training Facilities Total PRV: \$6,245,357,269



# Installation Readiness Rating C-Rating



**IRRS - Commander U.S. Pacific Fleet**

File Edit Comments View Reports Tools Help

Current View: Active (FY 2003) Search...

Road Map		Commander U.S. Pacific Fleet						Legend		
	FC	CG	BC	FAC						
MC										
REG										
INST										

	1 - Operational and Training Facilities	2 - Maintenance and Production Facilities	3 - Research, Development, Test and Evaluation Facilities	4 - Supply Facilities	5 - Hospital and Medical Facilities	6 - Administrative Facilities	7 - Housing and Community Facilities	8 - Utilities and Grounds Improvements
Commander U.S. Pacific Fleet	C3	C2	C2	C2	C4	C3	C3	C2

**IRRS Comments**

Facility Class: 7 - Housing and Community Facilities

IRR C-Rating: C-3

Comment:

1: 1 | 0 characters / 8000 maximum (0.0%)

**7 - Housing and Community Facilities Total PRV: \$9,963,426,066**



# Looking at Facilities From a Readiness Perspective

**C1**

**Ready for All Missions:** having only minor deficiencies with negligible impact on capability to perform required facility missions

**C2**

**Ready for Bulk of Missions:** having some deficiencies with limited impact on capability to perform required facility missions

**C3**

**Ready for Some Portions of Missions:** having significant deficiencies that prevent performing some facility missions

**C4**

**Not Ready for Missions:** major deficiencies that preclude satisfactory mission accomplishment of facility missions



# IRRS 2003 Timeline

30 Jun 03

iNFADS lock out date

9 Sep 03

IMCs submit AIS-SRM Deficiency List to R&K for upload \*\*  
IMCs submit New Footprint Requirements Report for upload \*\*  
IMCs submit Inspection and BRAC Summary Report to NAVFAC HQ

23 Sep 03

Upload complete and below reports are posted to IRRS:

- AIS SRM Deficiency List for each installation
- Anomaly Report for the AIS Deficiency List
- New Footprint Requirements Report for each Installation
- Anomaly Report for the New Footprint Requirements Report
- AIS Category Group Summary for each Installation, Region & IMC
- Critical Deficiency Type Report for each IMC
- DoD Financial Statement Report for each IMC

23 Sep 03

IMCs coordinate with R&K to correct AIS and New Footprint Anomalies

**\*\* -- Submittals must be in standard format and must have a 15-digit NFA Facility ID from iNFADS listed for each facility.**



# IRRS 2003 Timeline Cont.



30 Sep 03	Upload and review complete, Activities edit
1 Oct 03	CNI is a new entity
28 Oct 03	Activities locked, Regions review
18 Nov 03	Regions locked, IMCs/CNI review
26 Nov 03	IMCs/CNI locked, CNO and ASN review



# 2003 Proposed Web Based FRES (Facility Readiness Evaluation System)

- During FY04, the existing IRRS client/server application will migrate to a web-based FRES.
- System changes will include/incorporate
  - Naval/Marine Corps Internet (NMCI) guidance
  - CADD/GIS standards from the SDSFIE/FMSFIE Software (Release 2.210)
  - Host and relocate the web-based IRRS to NITC servers located at Port Hueneme, California.
- Functional changes will include
  - FRES registration page for new users to register and for existing users to request additional account privileges
  - Ability at login to choose the view (Command or Maintenance Funding) and year.
  - Readiness 'C-rating' editor at the Facility Class level for Regions and Activities.
  - Capability to annually prepare and submit the Installation Readiness Report (IRR).



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# QUESTIONS ?

