

# HEALTH PHYSICS BREAKOUT SESSION

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NASA Headquarters*

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Dynamac Corporation*

**Wednesday  
June 29, 2005**



# Agenda

- Agency Update
- Radiological Health Policy Draft
- Health Physics Conference Highlights
  
- GSFC LLRW Experience – Tad Blanchard
- Laser Audit Workshop – David Sliney



## NPR 1800.1 Chapter 7

- OCHMO responsibilities
- Center responsibilities
- Communication between OCHMO and Centers
- Self-reviews in off-review years



## Review Lessons Learned

- September is out as a review month
- Electronic format (CD) preferred
- Well organized, if non-electronic media
- Comprehensive answers



## Review Lessons Learned

- Return information 60 days prior
- Keep schedules open and be available
- Concise in briefing information
- Computer/people compatible area



## 2005 Review Schedule

- JPL January
- JSC February
- WFF April
- GSFC April
- MSFC August 8 – 12
- HQ October 24 – 28



## 2006 Review Schedule

- KSC January
- MAF February
- SSC February
- GRC May
- LaRC June
- DFRC August (early)
- ARC August (early)
- WSTF October (late)



## Training

- FY-05 Needs Assessment Ranking:
  1. DOT and RF Safety
  2. RSO , LSO, and Nonionizing Radiation Bioeffects
  3. Dose Assessments & Exposure Investigations, and Radiation Safety Program Management
- Completed, Scheduled, Planned:
  - RF courses at KSC
  - NIR, DOT, SAM-935, RP Program Mgt. all at HP Conference
  - RSO ?
  - Shipping ?



## Quarterly HP ViTS

### **Objective:**

Professional Development; Continuing Education; and Building Community by having routine HP sessions on current issues with presenters both internal and external to NASA.

### **Past Topics**

1. SAM Refresher Debacle
2. D&D Radiological Facilities
3. Instrument Calibration

**Next:** RF September 8<sup>th</sup> @ 12:30 PM

Future Topics: Your feedback is essential!



## Current Initiatives

- Update on Agency Audit Overlap for EH&S
- EH Program Contact – *now online*
- Good ideas, best practices repository on the web
- Electronic Exposure Assessments Data; both quantitative and qualitative (*JSC HIS presentation yesterday*)
- Annual Occupational Health Resources Report – *need input on meaningful data*



## Current Initiatives

- Lessons learned database on the OHP web site
- SOLAR Training - Laser Radiation
- Medical X-Ray Inspections
- NRC Licenses & IR Source Inventory
- Draft Health Physics Policy



# Draft Radiological Health Policy

## Objective:

Produce a document that provides an infrastructure of principles and requirements, which authorizes and supports sensible and sound Health Physics Programs at the Centers.

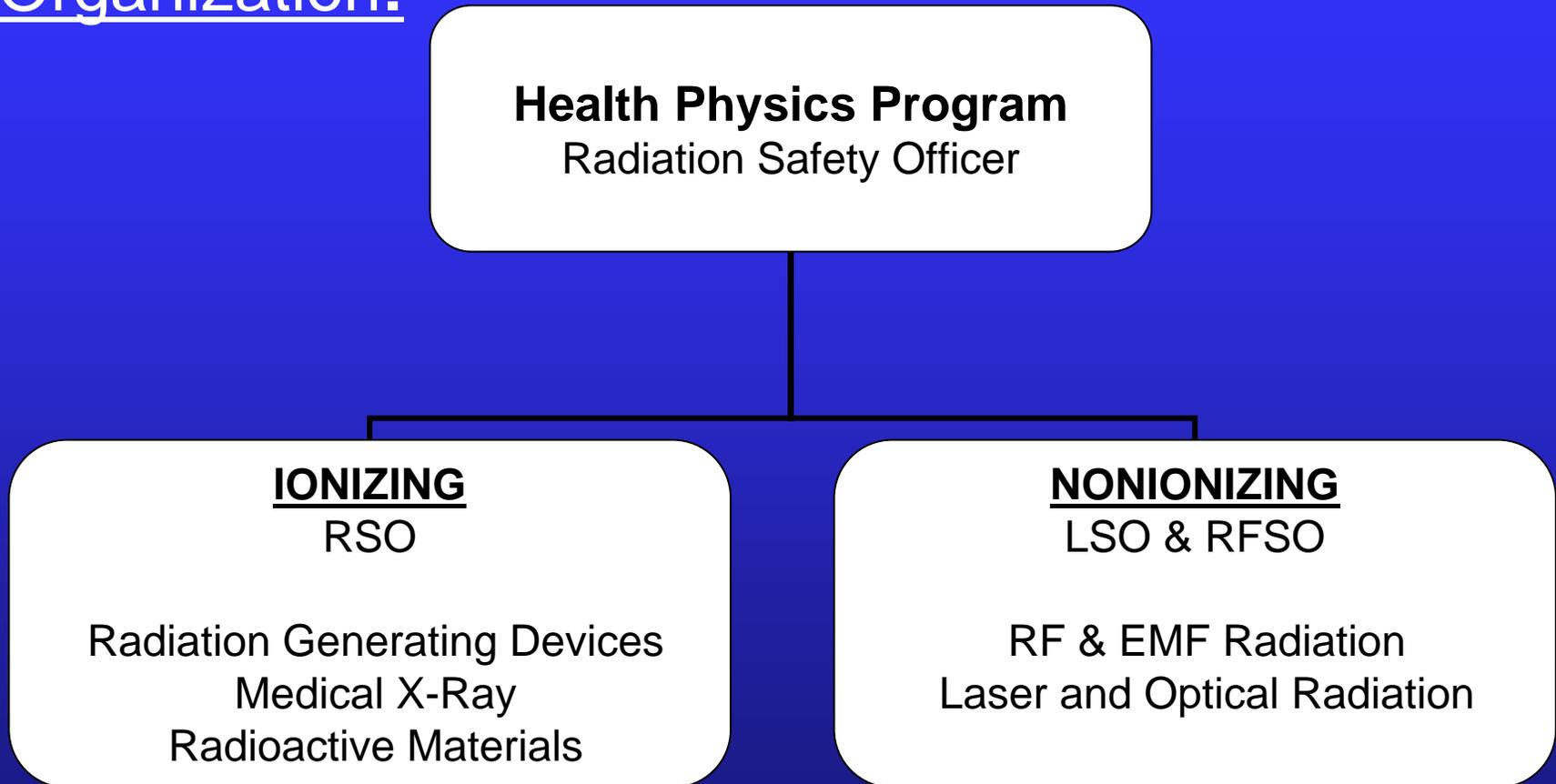
## Process:

- Identification of minimum requirements for effective programs at Centers;
- Build in flexibility for implementation; and
- Provide backing which supports sound health physics.



# Draft Radiological Health Policy

## Organization:



# Draft Radiological Health Policy

## Use Authorization

- Training and Experience of Users
- Source Characteristics
- Written Procedures
- Adequacy of Use and Storage Facilities
- Administrative and Engineered Controls



# Draft Radiological Health Policy

## RSO / LSO / RFSO

- Independent of operational responsibilities;
- Experienced in hazard evaluation;
- Approves or disapproves authorization requests;
- Performs periodic audits and surveys of user;
- Annual program review;
- Interface with regulatory authorities ;
- and ...



# NASA Health Physics Conference

## June 6 – 10, 2005

*About 30 Attendees including...*

ARC	William Vermeere
GFRC	Ted Simmons & Pat Hancock
JPL	Jeannine Darrett & Mark Phillips
GRC	Christopher Blasio
JSC	Dennis Waggett & Mary Van Baalen
KSC	Randy Scott, Rod Nickell & staff
LaRC	Kim Merritt
SSC	Jimmy Everett & Rick Ross
WSTF	Raymond Gruben



# Health Physics Conference

## NIR Safety Hot Topics



UV



RF



Laser



ELF



*Tim Hitchcock, CIH, CLSO*

# Health Physics Conference

## Transportation and Packaging of RAM

- NRC & DOT Final Rules
- Definition of RAM
- Exempt Quantities
- Excepted Packages
- Criticality Safety Index



*Al Grella, CHP, CSP*

# Health Physics Conference

## SAM-935 Training

*Michael Murray, P.E.*



2005 Occupational Health Conference, Lake Tahoe, NV  
Office of the Chief Health and Medical Officer

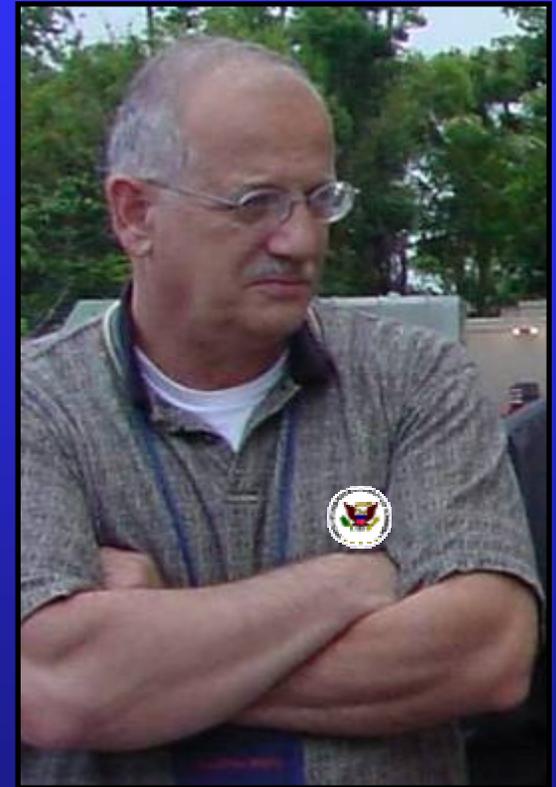


# Health Physics Conference

## Radiation Protection Management

*U.S. Nuclear Regulatory Commission*

- Mission, Structure, Jurisdiction
- Licensing & Inspections
- Inspection Procedures
- Manuals & Guidance
- Enforcement



*Joseph DeCicco, CHP*

# Health Physics Conference

## Technical Tour no.1



2005 Occupational Health Conference, Lake Tahoe, NV  
Office of the Chief Health and Medical Officer



# Health Physics Conference

## Technical Tour no.2



2005 Occupational Health Conference, Lake Tahoe, NV  
Office of the Chief Health and Medical Officer



# Health Physics Conference

## Center Presentations

Outdoor Laser Program at LaRC

*Kim Merritt*



Accidental Laser Activation Close Call

*Bill Vermeere*



PNH Contingency Planning at KSC

*Randy Scott*



Agency Update  
Radiological Health Policy Draft  
Health Physics Conference Highlights

**Questions/Suggestions?**

