# DEPT. OF NUCLEAR TECHNOLOGY CHULALONGKORN UNIVERSITY

**Presentation - 10** 

# "The ASSESSMENT FUNCTION"

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# Definition of SELF ASSESSMENT Self Assessment is the evaluation of performance or output of an individual or an organization by



# **SELF - ASSESSMENT CULTURE**

- Self identification of problems and the motivation to fix them by all levels of the organization
- A structured approach to excellence
- Performance rather than compliance

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- Management actively seeks out problems and resolves them, rather than relaying on others to identify the issues
- Emphasis on fixing the system rather than on blaming individuals



# FIVE ISSUES OF SELF ASSESSMENT

- Is there a performance standard?
- Does performance meet the standard
- Are personnel qualified ?
- Are the standards, qualifications and performance adequately documented?
- Is there reasonable expectation that the performance will improve in the longer term ?

# **SELF ASSESSMENT - the ENVIRONMENT**

- Clear understanding of long and short term goals by everyone
- Commitment to these goals
- Process for input to the goals
- Understanding of how individual's work impacts on the goals
- Ability to influence how the work is done
- Regular feedback on the status of achievement of goals

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# PEER EVALUATION

- Uses defined criteria of excellence
- ♦ Performance based
- Evaluates the managed process
- Performed by Peers from a different plant
- Results based on many observations of work in progress

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- Identifies areas for improvement
- Identifies excellent activities



# **QA AUDITS - TOPICS for TYPICAL**

## AUDIT of MAINTENANCE

- ♦ Training
- Qualification
- Maintenance procedures
- ◆ Spare parts control
- Substitution of parts
- Calibration

# MANAGEMENT OF QA AUDITS

Audit program must be managed

There shall be:

Audit policy and procedure

- annual and longer term plan
- generic audit process
- qualification requirements for auditors
- criteria for audit topic selection
- verification requirements
- reporting relationships



## **Preparation**:

- develop a detailed plan
- select and train team
- study documentation

#### **Conduct**:

- review of documentation
- observations in the field
- interviews

# **Follow-up**:

• re-visit findings and corrective actions during subsequent audits 13 ]







PARETO PRINCIPLE	
<u>"80% of problems are</u>	
<u>caused</u>	
by 20% of population"	
therefore :	
◆ <u>ANALYZE</u> using accurate information	
• <u>CONCENTRATE</u> on the main problem	

# SOME MEASURES of SUCCESS of QUALITY MANAGEMENT

- Performance trends show steady improvement
- Problems are solved permanently, on schedule and with willing cooperation
- People are proud of their solutions and accomplishments
- Activities are planned there is little
   "fire fighting"
- Number of recurrent problems
   decreases
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#### CAUSES OF POOR PERFORMANCE

#### IN MECH. MNTCE



#### PROCEDURAL PROBLEMS

