



# MTS DP Committee

Workshop in Singapore

Session 6 – Day 3

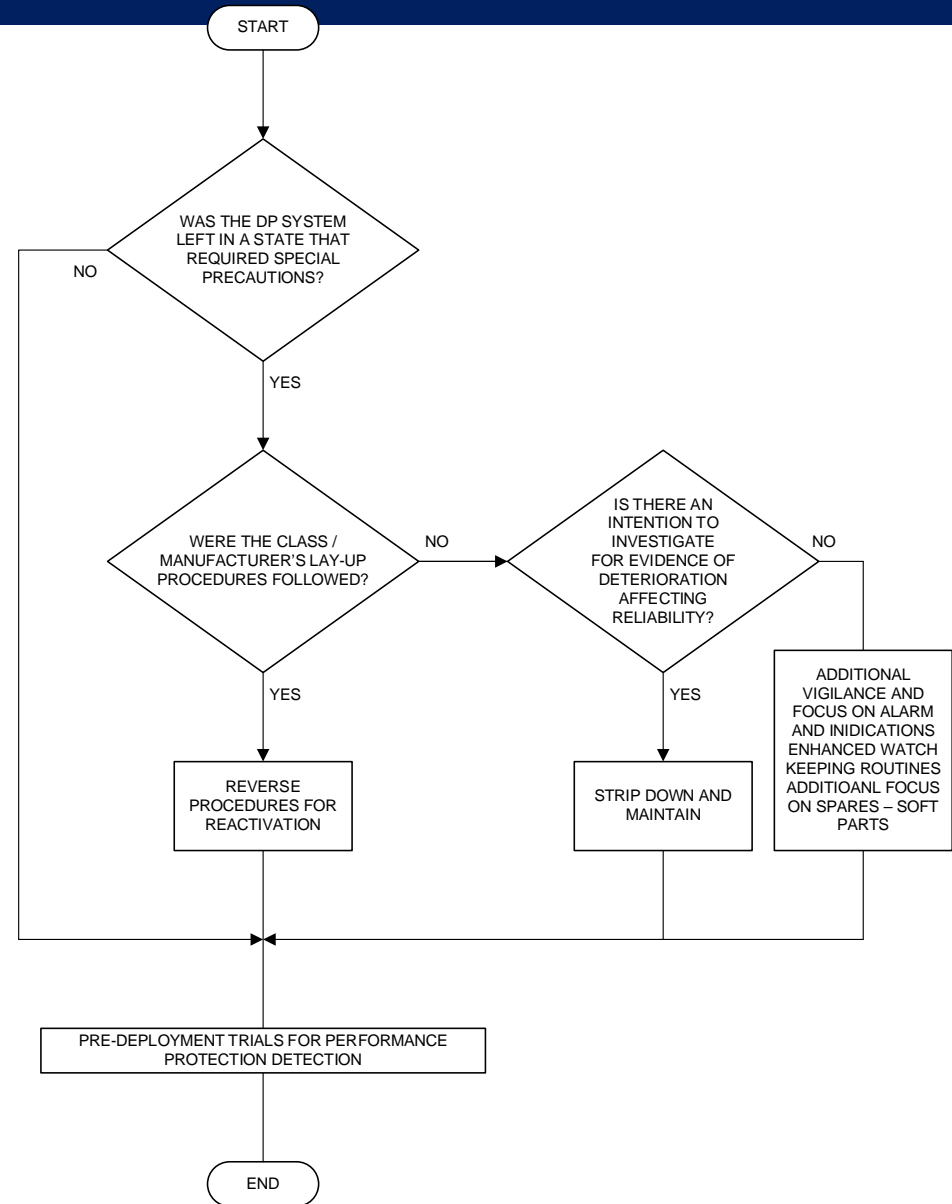
Reactivation of DP Assets

# OBJECTIVE OF THIS SESSION

- Provide an overview of the draft reactivation guidance from the Houston workshop and solicit feedback - Request review of draft Techop – Expectations of revisions – Present main topics from Techop
- Surface concerns – Brain storming on reactivation
- Identify additional focus areas to be addressed.

# Reactivation in its simplest form

- Reactivation in its simplest form.
- Three paths to pre-deployment trials depending on nature of the preservation process or lack of it.



# STACKING AND REACTIVATION SESSION

- Techop in development
- Under review by workshop participants at DP Conference workshop in Houston



# REACTIVATION TECHOP

This guidance contains sections outlining the following information:

- Definitions of categories of deactivation
- Preparations for the stacking of a DP capable asset
- Considerations for the protocols to be considered while the asset is stacked
- Protocols to be considered during the reactivation process
- Personnel considerations
- Class and Regulatory concerns
- References



MARINE TECHNOLOGY SOCIETY – DP COMMITTEE

DP EQUIPMENT TESTING SUBCOMMITTEE

GUIDELINES ON THE STACKING AND REACTIVATION OF DP CAPABLE ASSETS

Document No: DPETS Rep001-I

30 April 2017

- ❖ TIMELY AND RELEVANT TOPIC
- ❖ ACHIEVED GOAL OF STARTING THE CONVERSATION IN OPEN INDUSTRY FORUM

## ❖ CORE QUESTIONS ADDRESSED:

- IS INDUSTRY GUIDANCE NEEDED?
- AND IF SO, HOW BROAD AND HOW DEEP SHOULD GUIDANCE BE?

## ❖ KEY SESSION OUTCOMES:

- THERE IS A NEED FOR INDUSTRY TO PUBLISH GUIDANCE.
- GUIDANCE SHOULD BE WRITTEN HIGH LEVEL & STRATEGIC.
- THERE IS A DESIRE TO DEVELOP A DECISION SUPPORT TOOLS (DST's) THAT ASSIST OWNERS DEVELOP AND IMPLEMENT ASSET SPECIFIC REACTIVATION PLANS.
- ALIGNMENT ON PRAGMATIC RISK MITIGATION EFFORTS DURING REACTIVATION BETWEEN STAKEHOLDERS IS CRITICAL
- INTEREST EXPRESSED IN PROCEEDING WITH ADDITIONAL MEETINGS / TELECONFERENCES TO FURTHER DEVELOP GUIDANCE



## ❖ 2<sup>ND</sup> MTS WORKSHOP IN ABERDEEN

- ❖ CONSENSUS OF PARTICIPANTS – DOCUMENT SHOULD FOCUS ON ASSURANCE OF THE REACTIVATION PROCESS RATHER THAN THE PROCESS OF REACTIVATION



# REACTIVATION – TIMELINE

The reactivation timeline would depend on several factors, such as:

- Length of lay-up
- Extent of stacking preservation (i.e. corrosion inhibitors, desiccants, etc.)
- Cleaning, preparation, maintenance, and reactivation requirements for specific equipment and systems
- Quality and extent of condition surveys and maintenance routines (focusing on state of all mechanical equipment, rotating devices, electrical circuits / equipment, electronics, etc.
- Recommissioning requirements for key equipment and systems
- Class required surveys, testing, sea trials, etc.
- Client / contract obligations including modifications required
- Facilities required and available (location, shipyard facilities, personnel, etc.)



# TECHOP – MAIN SECTIONS

1. OVERVIEW
2. DESCRIPTIONS AND DEFINITIONS
3. GENERAL CONSIDERATIONS
4. PERSONNEL
5. CLASS AND REGULATORY CONSIDERATIONS
6. DP CONTROL AND MONITORING SYSTEMS
7. POWER GENERATION AND DISTRIBUTION
8. MAIN AND AUXILIARY ENGINES
9. PROPULSION AND THRUSTERS
10. MARINE AND AUXILIARY SYSTEMS
11. TESTING FOR REACTIVATION – HOT TOPIC
12. REFERENCES

Subsection on Hot, Warm and Cold Stacking and Reactivation

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# Workshop Exercise

- What is your experience with reactivation of DP assets?
- What approach works best?
- What could be added to the MTS guidance to help the DP community?



**Thank You**