



**Pacific Gas and
Electric Company**

Electric T&D Bulletin

Title: Material Problem Report (MPR) Pilot for Electric Distribution Material and Equipment

Check all appropriate boxes

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| <input type="checkbox"/> SAFETY ALERT | <input type="checkbox"/> GAS | <input checked="" type="checkbox"/> DISTRIBUTION | <input type="checkbox"/> SUBSTATION ENGR. |
| <input checked="" type="checkbox"/> MANDATORY COMPLIANCE | <input checked="" type="checkbox"/> ELECTRIC | <input type="checkbox"/> TRANSMISSION | <input type="checkbox"/> TRANS./SUB. M&C |
| <input type="checkbox"/> RECOMMENDED ACTIONS | <input type="checkbox"/> ESTIMATING | <input type="checkbox"/> OPERATIONS | <input type="checkbox"/> APPLICANT DESIGNER /
CONSTRUCTION |
| <input checked="" type="checkbox"/> INFORMATIONAL/CLARIFICATION | <input type="checkbox"/> MAPPING | <input type="checkbox"/> SERVICE | |

Purpose:

The existing MPR process primarily focuses on equipment problems due to design and manufacturing flaws. This bulletin communicates a pilot program in San Francisco and San Jose Divisions to establish additional requirements in the Material Problem Report (MPR) process to include all age-related and outage-related failures. This pilot will be applicable to electric distribution material and equipment only.

The purpose of this pilot project is in two parts: a continued and focused effort to improve safety and system reliability, and to gather process and resource information for potential system wide application.

Target Audience: Area Directors, Maintenance and Construction (M&C) Superintendents and Supervisors, Distribution Outage Review Teams (ORT), and Distribution Engineering and Mapping.

Action:

A pilot will begin in San Francisco and San Jose Divisions to conduct and track analysis for all material and equipment failures in the electric distribution system.

For outage-related equipment failure, a check will be done between the outage and the MPR databases to ensure every piece of equipment causing an outage has a corresponding MPR item.

Age-related data will be used for trending and continuous review of our asset maintenance and replacement programs. It is important to note while changes to systematic programs may not be immediate, data submitted through the MPR process is critical in building the intelligence for identification and prioritization of asset maintenance and replacement work.

For Reference Only

Procedure for San Francisco and San Jose Pilot:

When defective or failed material or equipment is found, regardless of age, it shall be reported in the MPR database. The following procedures shall be implemented for San Francisco and San Jose Divisions from Jan 1, 2008 to June 30, 2008. These dates may be extended as needed. System-wide implementation of this process is targeted for fourth quarter of 2008.

Senior Distribution Engineer (as written in Standard S2010, Attachment 1):

- Conduct preliminary review of unplanned outages listed on Integrated Logging Information System (ILIS).
- Provide feedback to the Mapping department when changes or updates are required.

Maintenance & Construction Personnel:

- The Outage Review Teams (ORT) lead will ensure that each outage caused by failed material or equipment has a corresponding MPR prepared. The expectation is 100% corresponding MPR reporting.
 - The outage number shall be referenced in the MPR.
 - The MPR number must also be referenced in ILIS.
- Create an MPR for failed material within 72 hours of the failure.
- Tag and save the failed material in a central location in each yard until the MPR can be reviewed by electric distribution standards personnel.
- Tag oil-filled equipment with a Warranty/MPR tag (code M620259) and ship to Emeryville as per the existing standard practice.

Note: Examples of equipment failure include, but are not limited to, cable failures, connector failures, and material/equipment failure due to unknown cause. Overloaded transformers, failures on secondary services, and equipment damage due to trees, lightning/weather, or car-pole accidents should not be categorized as equipment failure and an MPR should not be created for the equipment.

For Reference Only

Electric Distribution Standards Engineers and Specialists

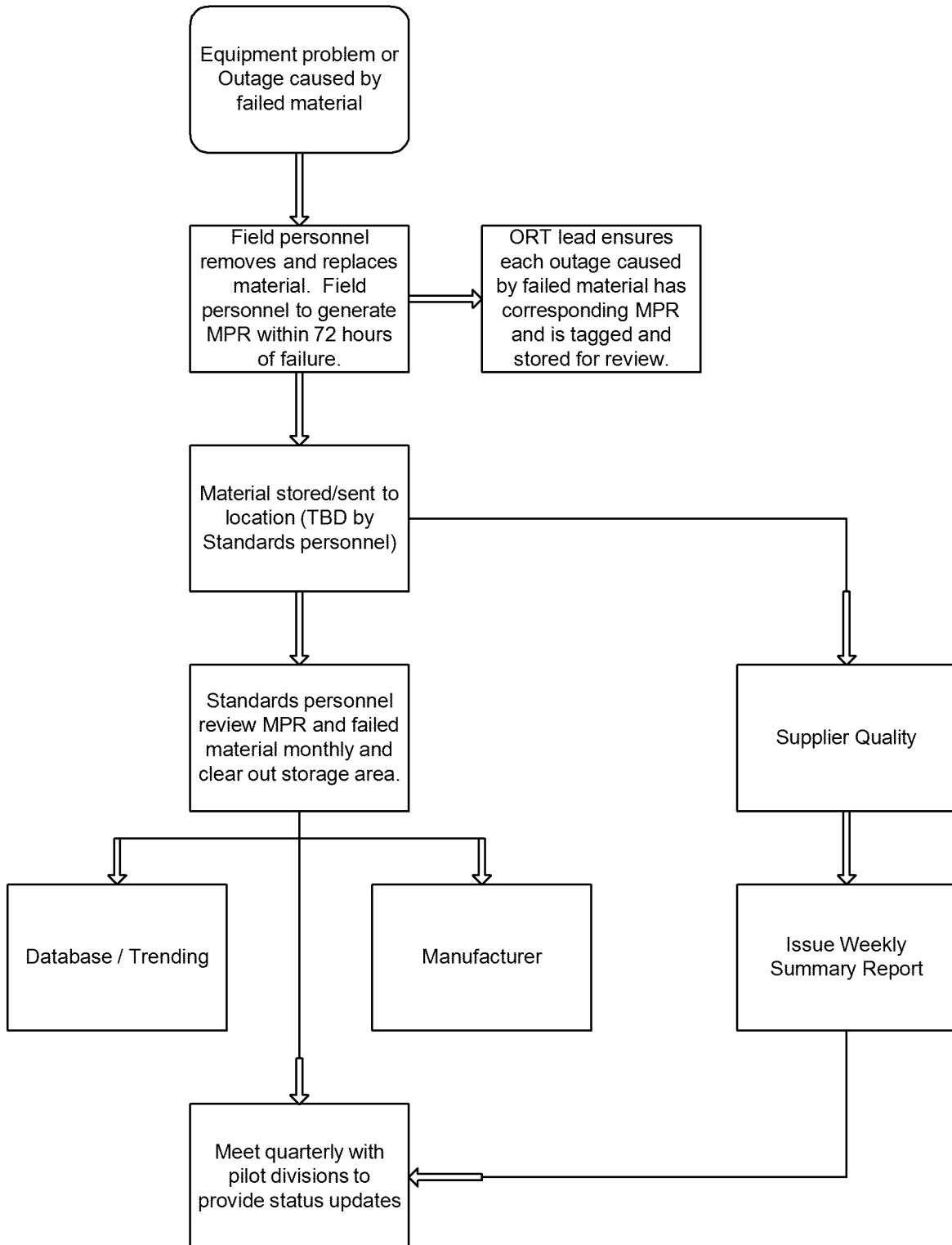
- Review MPR, failed materials / equipment and monthly summary reports and document the lessons learned from these MPRs.
- After review of the MPR and outage data, recommend disposition of the material to the ORT lead.
- At the end of the pilot process, prepare and distribute the summary report of the pilot results and communicate a future plan for the MPR.
- Provide quarterly status meetings with pilot locations.

Supplier Quality Personnel

- Provide weekly summary reports.
- Report back to the ORT leads the results of MPR evaluations when each MPR is completed.
- Develop and distribute monthly summary reports to stakeholders.

For Reference Only

MPR Pilot Process Flowchart



For Reference Only

References:

- UO Standard S2333, Material Problem Reporting (MPR)
- UO Standard S2010, Electric System Outage Review Process

The information in this Bulletin will be incorporated in UO Standard S2333 when it is converted to a new work procedure and in UO Standard S2010 when it is reviewed and updated.

Link to Material Problem Report (MPR) Program: <http://mpr/mpr/mpr.do>

Approved by:

Redacted

Date: (12/27/07)

Author:

Redacted

Supplier Quality

Electric Distribution Standards

If you have any questions about this bulletin, please call the employee(s) listed below:

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