

NORTHEAST MAXIMO USER GROUP

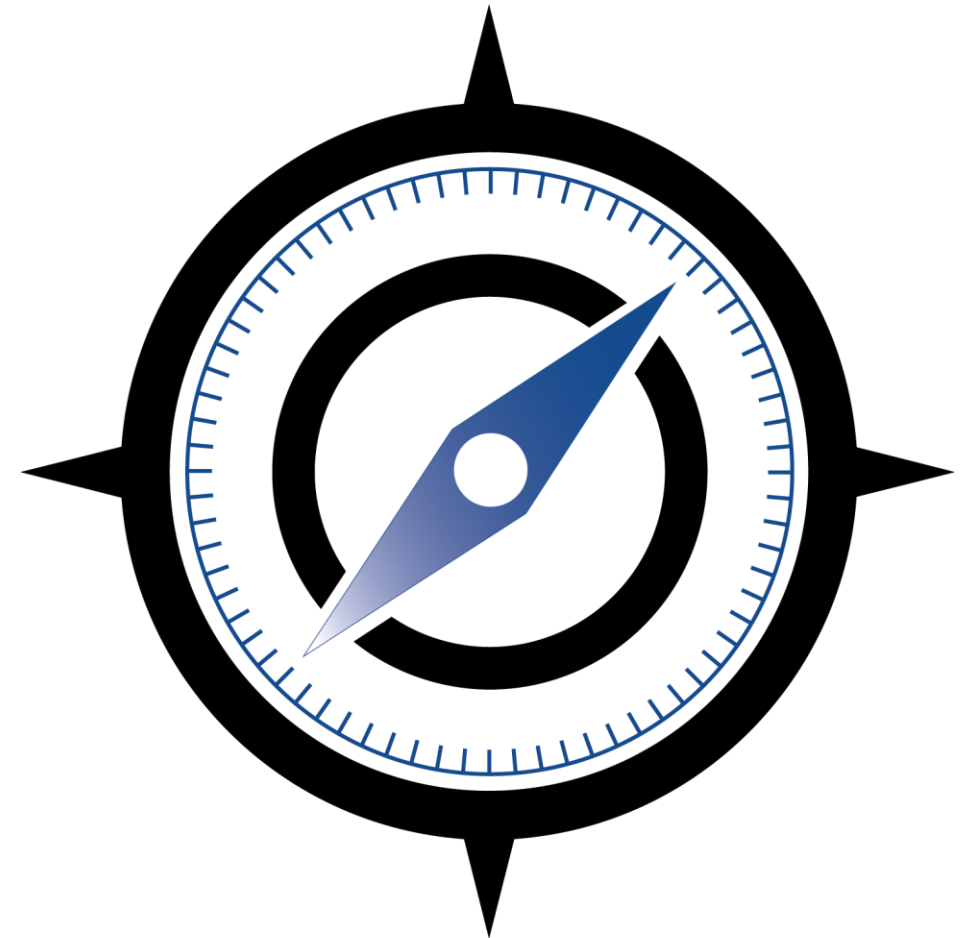
DATA QUALITY: A PANEL DISCUSSION

Spring 2024 Meeting
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NORTHEAST

MAXIMO USER GROUP

GOALS

Understand meaning / purposes of *Data Quality*

Discuss ways to drive Data Quality

Discuss Challenges

- Data collection
- Data sharing
- Orienting to business needs/goals



WHAT IS DATA QUALITY



- Data quality refers to the **accuracy, completeness, consistency, reliability, and relevance** of data. It focuses on ensuring that data is **fit for its intended purpose** and can be trusted for decision-making and analysis.



- Achieving high data quality involves processes such as data cleansing, validation, standardization, and enrichment. These processes aim to identify and rectify errors, inconsistencies, and inaccuracies in the data.



- The goal of data quality initiatives is to improve the overall trustworthiness and usability of data, leading to better insights and decisions.

Quality Data is...

Query-able

Crunch-able

Standardized (Data Governance)

Stakeholder-Oriented

Supports Decision Making



INTERNAL

DATA QUALITY EXAMPLES — OURS AND YOURS?

- Making fields required and driving standardized data collection through picklists
- Serial Number: Matches Nameplate Exactly
- Model Number: Standard/Consistent Nomenclature?
 - Same “model”- Different details have different PM criteria
- Added one time survey questions to existing maintenance round to capture Manufacturer and Model information
- Capture meaningful Work Performed details
- Capture Climate related information upon incident creation
- Added question on inspection form to identify Diesel generator run times to calculate gas consumption as part of a Department of Environmental Conservation Requirement.
- Able to Change PM Frequency or Scope based on accurate data collection from as found conditions



INTERNAL

Why it matters.

- Safety
- Enterprise Asset Management
- Empowering Decision Makers
- Operational Flexibility
 - Responding to emergent situations
 - Audit responses
 - Continuity of Service
 - Extent of Condition
- Compliance
- Support of Analytics / AI
- Interactions with other applications (Governance across enterprise)
 - Rosetta Stone for the Enterprise



INTERNAL

WHAT ARE YOUR DATA QUALITY CONCERNS OR SUCCESSES?



APPENDIX A:

A DATA QUALITY MESS

Select Value

	Manufacturer		
G3792	GENERAL ELECTRIC CAPITAL CORP G E COMPUTER SERVICE		CONED
G3778	GENERAL ELECTRIC APPARATUS SERVICE CE		CONED
G3737	GENERAL ELECTRIC, INC.	M	CONED
25015	GENERAL ELECTRIC CO		CONED
25019	GENERAL ELECTRIC SUPPLY CO A DIVISION OF		CONED
G2267	GENERAL ELECTRIC COMPANY G E MOTORS		CONED
S4144	SOLA ELECTRIC CO. UNIT OF GEN'L SIGNAL		CONED
GENERALELEC	GENERAL ELECTRIC		CONED
G3297	GENERAL ELECTRIC COMPANY G E SPECIALTY TRANSF		CONED
G4296	GENERAL ELECTRIC SUPPLY CO		CONED
G4297	GENERAL ELECTRIC SUPPLY CO		CONED
G4281	GENERAL ELECTRIC COMPANY POWER SYSTEMS ENGR.		CONED
G1634	GENERAL ELECTRIC COMPANY GENERAL ELECTRIC SUP		CONED
GE	GENERAL ELECTRIC	M	CONED
G2247	GENERAL ELECTRIC COMPANY G E COMMUNICATIONS		CONED
CT_262	GENERAL ELECTRIC	M	CONED
TS_133GENE	GENERAL ELECTRIC	M	CONED

Cancel



INTERNAL