



Quick Start Manual For Adding Locations Into the TANGO[™] Location Tree 04/23/2024

Purpose

To provide instruction for adding new locations into the Tango[™] Location Tree.

Items needed for task

- TANGO[™] login credentials
- TANGO[™] Rolls & Rights

Overview

All condition inspection, root cause analysis and equipment lifecycle tracking technologies require the identification of the function locations where the inspection or analysis was performed. Often the functional location structure and asset names were generated from plant legacy id's or common names and often do not match the correct CMMS (EAM) functional location structure. This mismatch in asset identification can cause significant problems when creating work orders or communication about this asset.

Your RIM system is used for reporting condition results to planners, managers, engineers and operations. These groups need to have the results provided with the current CMMS identification. It is critical that your RIM functional location structure be the same as the current plant CMMS/EAM system.

Contents

- I. TANGO[™] Location Tree Levels.
- II. Adding a new Unit into the TANGO[™] Location Tree.
- III. Adding a new Function into the TANGO[™] Location Tree.
- IV. Adding a new Asset into the TANGO[™] Location Tree.
- V. Adding a new Component into the TANGO[™] Location Tree.

I. TANGO[™] Location Tree Levels

The TANGO[™] Location tree matches your company's functional location system.



The top-level in the TANGO[™] Location Tree is called "Plant Level," from there all locations are broken down from your functional location system to match TANGO[™].





II. Adding a new Unit into the TANGO[™] Location Tree

At the "Plant Level," you can add additional "Units" into the TANGO[™] Location Tree. From the pull-down at the "Plant Level" in the tree, select "Insert Unit."



Display order determines where the new Unit is seen in the Tree. A "Null Value" puts the new Unit at the bottom of the list in that level. A "Zero Value" puts new Unit at the top of the list in that level. If multiple duplicate values exist, the order will be determined by Alpha-Numeric scale.

Asset Tree	Unit Editor
 Reliable Manufacturing, Inc. Location Details Linked Documents Edit Plant Insert Unit Condition Entry Reports 	New Unit Name ? Location Information Unit 100 A new
 ← Equipment Tracking Reports ← Other Reports 	Open All Close All
	No linked documents are associated with this item yet. Upload File Upload Url Upload Screenshot
	Save

After the new "Unit" is installed, refresh the Tree by minimizing and expanding the parent location. The new Unit will be displayed.



III. Adding a new Function into the TANGO[™] Location Tree

At the Unit Level," you can add additional "Functions" into the TANGO[™] Location Tree.



From the pull-down at the "Unit Level" in the tree, select "Insert Function."



In the "Function Editor," add your new Function name then click "Save."

Display order determines where the new Function is seen in the Tree. A "Null Value" puts the new Function at the bottom of the list in that level. A "Zero Value" puts new Function at the top of the list in that level. If multiple duplicate values exist, the order will be determined by Alpha-Numeric scale.



After the new Function is installed refresh the Tree and the new Function will be displayed.



IV. Adding a new Asset into the TANGO[™] Location Tree

At the Function Level," you can add additional "Assets" into the TANGO[™] Location Tree.

Asset Tree
🔺 😝 👻 Reliable Manufacturing, Inc.
I01 Cooling Tower
🕶 🍓 🖵 Tower
🕶 ⊑ 👻 104 Hotline
🔻 🔚 👻 161 EPA Cranes
🔻 🔚 👻 162 Carbon Plant
🔻 🔚 👻 162 EPA Cranes

From the pull-down at the "Function Level" in the tree, select "Insert Asset."



In the "Asset Definition Editor" in the "Asset Name" box add the new Asset name. You can

either Save and Edit that new Asset you just placed, or you can "Save, Add Next" new Assets. Display order determines where the new Asset is seen in the Tree. A "Null Value" puts the new Asset at the bottom of the list in that level. A "Zero Value" the new Asset is placed at the top of the list of assets. If multiple duplicate values exist, the order will be determined by Alpha-Numeric scale.

Asset Tree	Asset Definition Editor
🔺 🔵 🖵 Reliable Manufacturing, Inc.	101 Cooling Tower » Tower
▲ 🔚 👻 <mark>101 Cooling Tower</mark>	
🕶 🐃 👻 Tower	Location Information
▼ ⊑ 👻 104 Hotline	Adding a New Acast
▼ 🔚 👻 161 EPA Cranes	Adding a New Asset
🔻 🔚 👻 162 Carbon Plant	
▼ 🔚 👻 162 EPA Cranes	Asset Name* Add New Asset Here
▼ 🔚 ▼ 162A Fluidizing	
🔻 🔚 👻 170 Compressor Room	Criticality
▼ 🔚 ▼ 190 Power Distribution	
▼ 🔚 👻 215 Electrode Plant	Usage Type Installation
▼ 🔚 👻 237 Bath Crusher/Anode Assy	
▼ 🔚 ▼ 240 Ore Station	Display Order
▼ 🔚 👻 261N Potline Line 1 North	
▼ 🔚 👻 261S Potline Line 1 South	□ Decommissioned
🔻 🔚 👻 262N Potline Line 2 North	
▼ 🔚 👻 262S Potline Line 2 South	
▼ 🔚 👻 272 Anode/Electrode	
▼ 🔚 👻 272T Electrode Plant Rods	Save and Edit More options are available once the asset de
🔻 🔚 👻 273 EP Screw, Vane, Carbon Cr	Save and Eart more options are available once the asset de
🔻 🔚 👻 280 SICR Maint. Shop	
▼ <u> </u> 45 South Truck Shop	Save, Add Next Save this asset definition and display an ed
55 South Machine Shop I	

Note: "Usage Type" should always be set to "Installation."

Refresh the Tango[™] Location Tree and the "New Asset" has been added to the Tree.

Asset Tree
🔺 🌍 👻 Reliable Manufacturing, Inc.
🔺 ⊑ 👻 101 Cooling Tower
🔺 🍓 👻 Tower
▼ ■ ▼ 123-MCC Complete
🔺 🔛 👻 Add New Asset Here

V. Adding a new Asset Component into the TANGO[™] Location Tree

At the "Asset Level," you can add additional "Asset Components" into the TANGO™ Location Tree. From the pull-down at the "Asset Level" in the tree, select "Insert Asset Component."

Asset Tree		
💊 🚽 Reliable Manufacturing, Inc.		
▲ <u> </u> 101 Cooling Tower		
▲ 🍓 👻 <mark>Tower</mark>		
 ∎		
Location Details		
Linked Documents		
Edit Asset		
Insert Asset Component		
Сору То		
 Condition Entry Reports 		
 Integrated Condition Status Report 		
Condition Review Report		
Condition Entry Analysis		
 ✓ Other Reports ✓ If you the second se		

In the "Asset Component Editor" in the "Component Name" box add the new Component name.

Asset Component Editor		
101 Cooling Tower » Tower » Add New Asset Here		
Location Information		
Adding a New Asset Component		
Component Name ≭	Add New Asset Component Here	
Equipment Type 🗱		\checkmark
Target MTBF	Days	
Display Order		
Criticality	N/A	
	Insert Anonymous Equipment	

In the "Equipment Type" box select from the drop-down list of components.

If the equipment type you want is not in the pull-down, select "Generic Equipment."

Contact TF7 if you would like to add a specific equipment type.

Asset Component Editor		
101 Cooling Tower » Tower » Add New Asset Here		
Location Information		
Adding a New Asset Com	✓ AC Unit	
Component Name 🗱	Actuating Devices Agitator Agitator	
Equipment Type 🗱	Air Conveyor-Air Supply AirLock	
Target MTBF	Airslide Ammonia Valve Anti-Friction Bearing - Non Tapered	
Display Order	Anti-Friction Bearing - Tapered	
Criticality	Arrester Baghouse Banbury - Generic	

Display order determines where the new Component is seen in the Tree. A "Null Value" puts the

new Component at the bottom of the list in that level. A "Zero Value" the new Component is placed at the top of the list in that level. If multiple duplicate values exist, the order will be determined by Alpha-Numeric scale.

Asset Component Ed	itor
101 Cooling Tower » Tower » Add New Asset Here	
Location Information	
Adding a New Asset Component	
Component Name 🛊	Add New Asset Component Here
Equipment Type ≭	Agitator
Target MTBF	Days
Display Order	
Criticality	N/A

In the "Asset Component Editor" once the new Component has been placed you can either "Save" the new Component you just placed, or you can "Save, Add Next" Component.

🗹 Insert Anonyr	nous Equipment
Open All Close All	
 Alias Definitions 	
III Trend Parameters	
State Observation Definitions	
Linked Documents	
Save Save the definition.	
Save, Add Next Save this asset component de	finition and display o

Refresh the Tango[™] Location Tree and the "New Component" has been added to the Tree.

