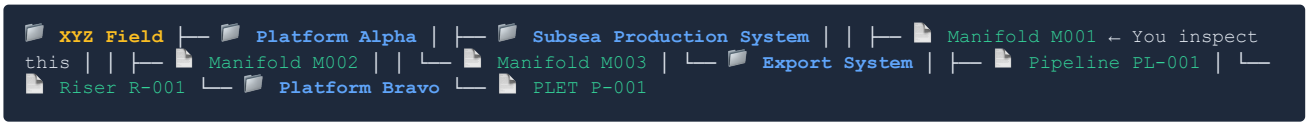
NEXUS Asset Hierarchy Quick Reference

Module 2: Navigation & Finding Information

🌳 WHAT IS ASSET HIERARCHY?

Asset Hierarchy = Tree structure organizing thousands of subsea assets
Like: Folders on a computer (Field → Platform → System → Equipment)
Purpose: Logical organization, easy navigation, provides context



👨‍👦 PARENT-CHILD RELATIONSHIPS

ROOT ASSET
- Top level (no parent)
- Usually: Fields, Platforms
- Example: "XYZ Field"

PARENT ASSET
- Has parent above
- Has children below
- Usually: Systems, groups
- Can expand/collapse

CHILD ASSET
- Has parent above
- No children below
- Usually: Equipment
- You inspect these

LINKED ASSET
- Same asset in 2+ places
- Data syncs everywhere
- Inspect from any location
- Example: Pipeline in multiple views

🧭 NAVIGATION CONTROLS

Action	How To
Expand folder	Click [+] or [▶] next to asset name
Collapse folder	Click [-] or [▼] next to asset name
Select asset	Single-click on asset name
Move up/down	Arrow Up/Down keys
Expand selected	Arrow Right key
Collapse selected	Arrow Left key
Jump to top	Home key

🔍 FINDING ASSETS QUICKLY

METHOD 1: SEARCH (FASTEST)

1. Press **Ctrl+F** or click Find button
2. Type asset name (full or partial: "M001" or "Manifold")
3. Press Enter - NEXUS jumps to first match
4. Find Next for multiple matches

Tips: Search is NOT case-sensitive • Use partial names • Search looks at NAME only

METHOD 2: MANUAL - Expand folders level by level (good for context)
METHOD 3: RECENT/BACK - Use Back button or Recent Assets list

📊 ASSET INFORMATION TABS

Tab/Pane	Contains	When to Use

Information	Asset details, specs, ID, install date	Pre-inspection prep
Events	All inspections on this asset	Review previous work
Findings	All findings ever recorded	Check history, trends
Anomalies	Tracked defects	Known long-term issues
Drawings	P&IDs, schematics, photos	Orient before inspection
Documents	Reports, procedures, certs	Access specifications
Multimedia	Photos, videos from past	See previous condition
History	Timeline of all changes	Audit trail

📂 FINDING HISTORICAL DATA

To see previous inspection on an asset:

1. Navigate to asset (Ctrl+F to search)
2. Click **Events** tab
3. Sort by date (newest first)
4. Double-click most recent event
5. Look at **Findings** within that event

💡 **ALWAYS check before inspecting:**
• What was found last time?
• Has anything been getting worse?
• Are there known problem areas?
• When was it last inspected?

📐 FINDING UPLOADED DRAWINGS

To access drawings:

1. Navigate to asset
2. Click **Drawings** tab
3. Look for drawing you need
4. Double-click or press Space to open

⚠️ **If not there:** Check PARENT folders - drawings often at system level

❌ COMMON MISTAKES

❌ **Wrong Asset:** Similar names (M001 vs M001-A)
✓ **Fix:** Verify FULL PATH before creating events

❌ **Events on Folders:** Creating event on parent folder
✓ **Fix:** Navigate down to actual equipment (child asset)

❌ **No History Check:** Inspecting without previous context
✓ **Fix:** ALWAYS review Events & Findings tabs first

❌ **Drawings Not Found:** Only checking individual asset
✓ **Fix:** Check parent levels for system drawings

❌ **Linked Confusion:** Thinking same asset in 2 places = 2 assets
✓ **Fix:** Check for "linked" indicator - it's one asset

🎯 PRE-INSPECTION WORKFLOW USING HIERARCHY

For each task in workpack:

1. **Find asset:** Ctrl+F → Search name
2. **Verify path:** Check full hierarchy location
3. **Asset info:** Note type, install date, criticality
4. **Drawings:** Open P&IDs, study layout

5. **Events:** Review last inspection date
6. **Findings:** Note what was found before
7. **Plan focus:** Areas to pay attention to

Time: 5-10 min per asset = Thorough prep!

THE KEY PRINCIPLE

Asset hierarchy isn't just organization - it's CONTEXT.
Knowing WHERE an asset sits helps you understand its importance, relationships, and history.