

Device Mask Tooling Manual- Project Overview

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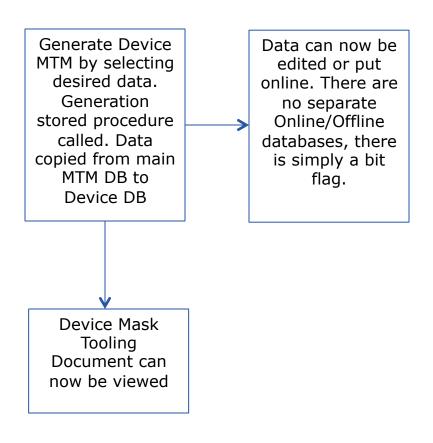
Project Goals

- > To allow creation of device specific Mask Tooling Documents
- To improve upon interface based on lessons learned from original Mask Tooling System
- To separate presentation and data layers by using stored procedures wherever applicable

Technical Description

- > Web tools have been created using ASP.NET with C# backend.
- > AJAX update panels used extensively
- Web tools hosted locally in Lubbock
- > .NET V3.5
- > Database backend is a Microsoft SQL Server
- > One database associated with project
- Extensive use of stored procedures
- Multiple devices can link to the same MTM data

System Flow



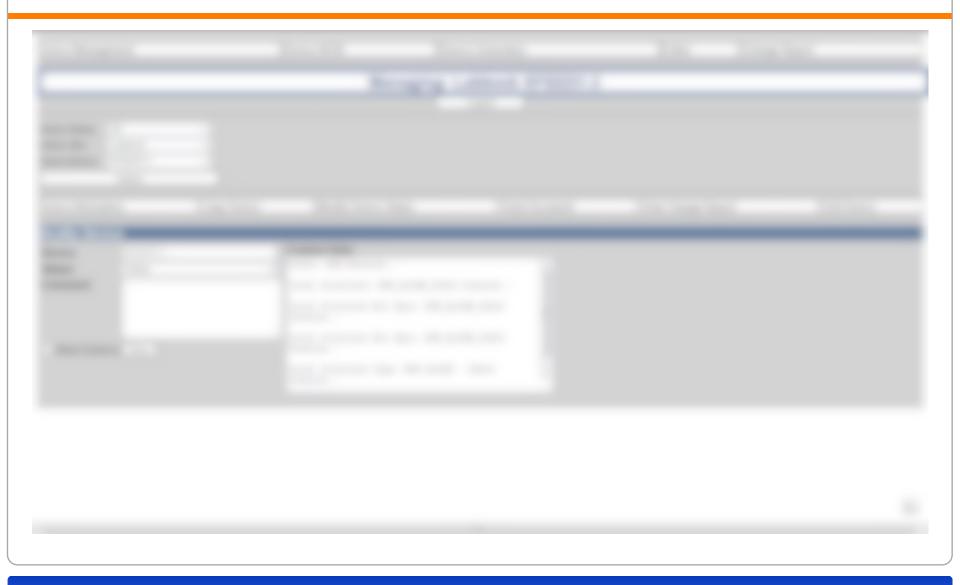


Web-Tools

- > 5 different web tools have been created
 - Device Management
 - Change device to Offline/Online
 - Delete or Change Name
 - Copy Device
 - Device MTM
 - View Device specific manual
 - Compare to master MTM
 - Device Generation
 - Generate Device Manual from Mask Tooling Manual via user selections
 - Editor
 - Edit Device Data
 - Change Report
 - View differences between device and master data
- URL Parameter passing allows quick switching between tools



Device Management



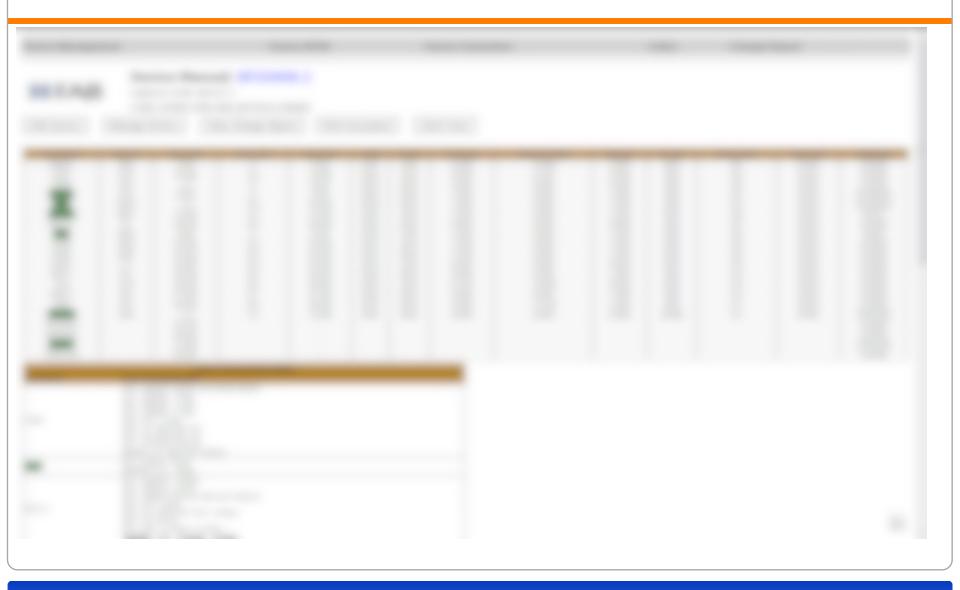


Device MTM: Selection ≫FAB

Device MTM



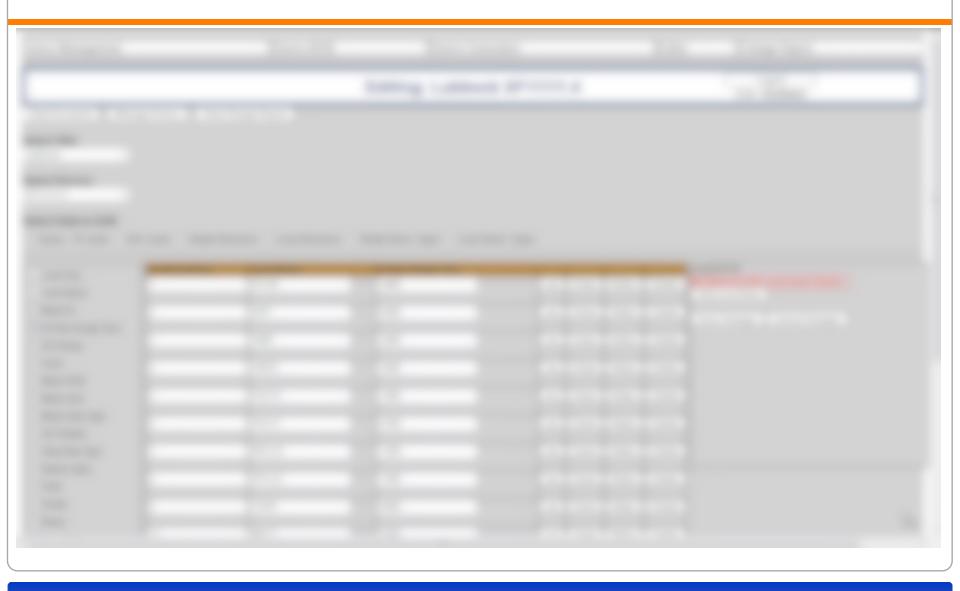
Device MTM: Difference Highlighting





Device Generation ≫FAB

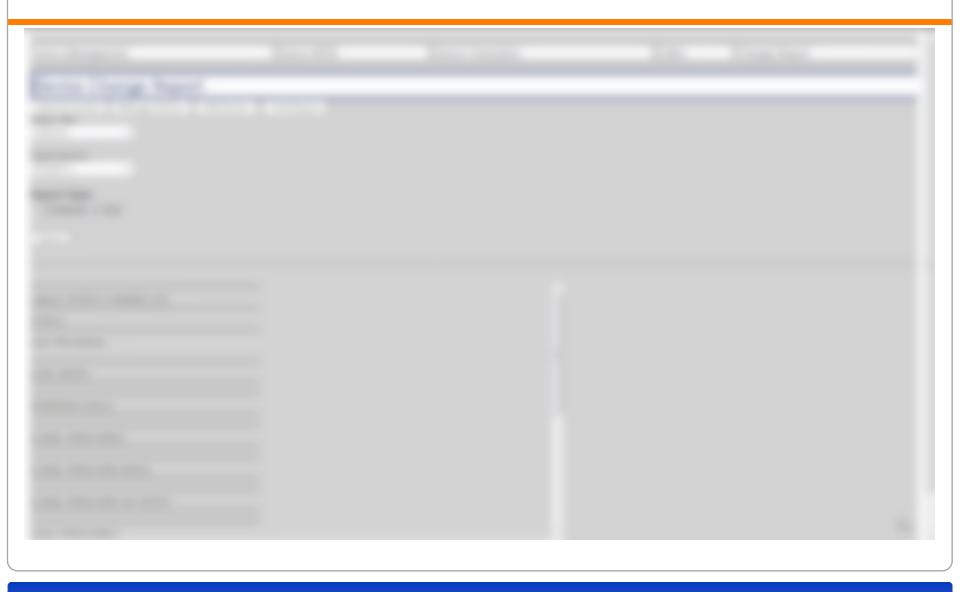
Device Editor





Change Report: Gridview XFAB

Change Report: Text





Sharepoint Project Site ≫FAB

Project Summary

- > Project Currently In Progress
- Currently in Beta use at all sites
- > Sharepoint site created to track all bug reports and feature requests
- > Stable use ~2mo
- > Development time: TBA
- System is new to X-Fab
- > Developers: 1
- > To Do:
 - Debugging
 - New feature requests discussion