

# Planned Technical Obsolescence

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Obsolescence and Post-Production Support  
(Breakout Sessions)

# Technical Obsolescence - Definition

- Attraction/Show/Facility critical components that are no longer in general use/available
- Spare Parts are no longer available
- System/Software no longer supported by Manufacturer
- Expensive custom-made components required
- Reliance on use of spare parts from other attractions to keep system running
- Major modifications needed to keep system operational (not able to “plug in” new components)

# Technical Obsolescence – Program Purpose

- To maximize impact of expenditure on technically obsolete items (address critical items first, consistent global approach)
- To maximize viability of systems that contain technically obsolete items
- To reduce possibility of impacts to reliability associated with failure of key technically obsolete systems

# Life Cycle Planning

- Create Critical Systems List for WDW
- Catalog and document Systems end of life date in asset management database (MAXIMO)
- Create Central and Local Obsolescence Warehouse with Global Visibility of available inventory
- Recover obsolete spares from upgraded assets and place into Obsolescence warehouse
- Integrate Life Cycle Planning Process with the Planned Technical Obsolescence Program

# Life Cycle Planning - Process

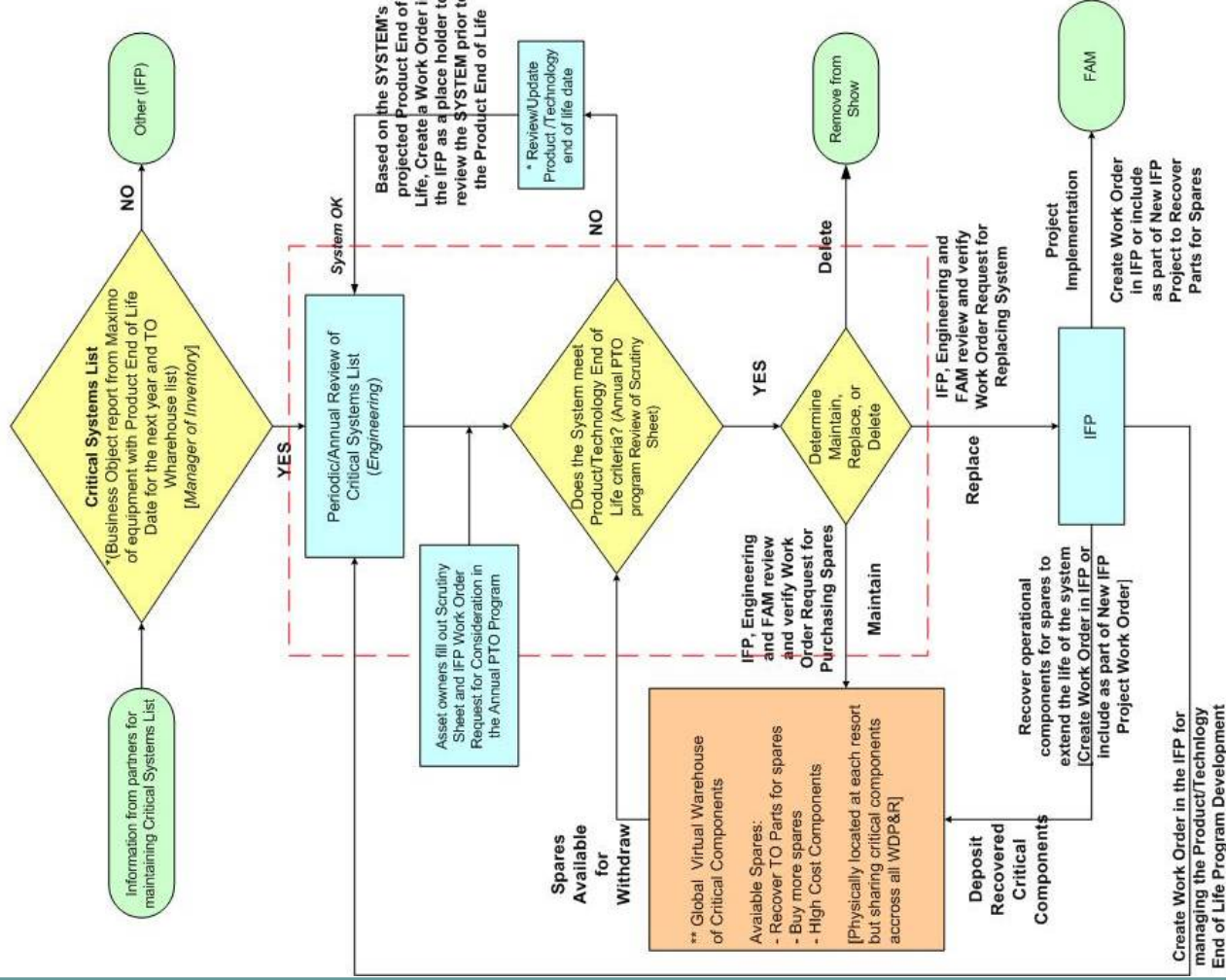
- Engineering determines/assigns a product model “end of life date” in MAXIMO for the components on the Critical Systems List: Ex. Show Interface Units (SIU) boards, Gearbox, etc..
- Inventory management will pull a periodic report from MAXIMO for components with two years from end of life date
- Maintenance and Engineering will review the report to validate end of life criteria
- Keep tracking critical items or Create a Work Order Request in the Planned Technical Obsolescence program to resolve end of life issues: delete, maintain, replace or recover as spares
- (see flow chart in Appendix)

# Planned Technical Obsolescence

## Appendix

# Life Cycle Planning Process Flow

## Critical Systems Life Cycle Planning



\* Engineering will develop the Critical Systems List and Engineering Services shall populate and maintain the accuracy of the List. (Working with Global Maximo team to have new input fields included in the Maximo Convergence effort.)

\*\* In place for Pilot Test

# Life Cycle Planning – Criteria

- Create a Critical Systems List and rate the systems based on our institutional knowledge
  - 5) **CRITICAL** – No longer in production with limited spares available and not repairable
  - 4) **URGENT** – Installed component is nearing end of life based on the age of the installed component against its expected product life cycle, limited spares available and not repairable
  - 3) **TRACKING** – The availability of the installed component is expected to support the life of the attraction
  - 2) **OBSERVATIONAL** – Product is readily available in the Theme Park industry. End of life not expected for this component
  - 1) Readily available off the shelf products at the hardware store