Tips and Tricks

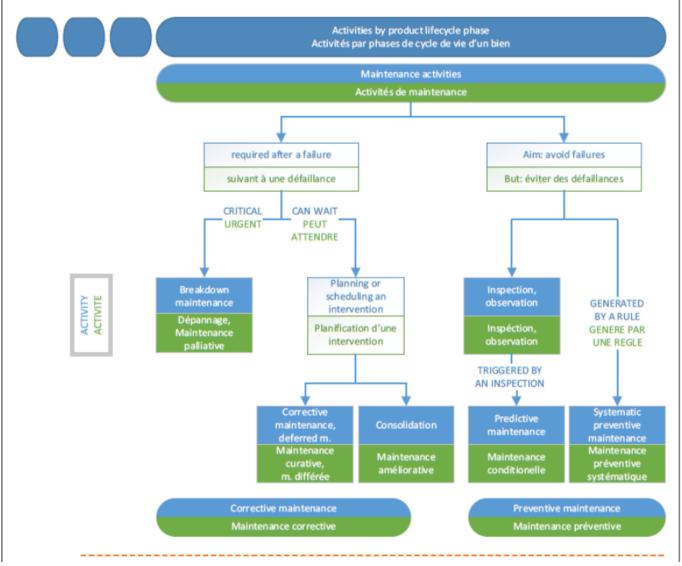
Good asset management practices

- Reasons for bringing this up
- Work-order types
- Closing codes
 - Problem, Failure, Cause, Action

Background

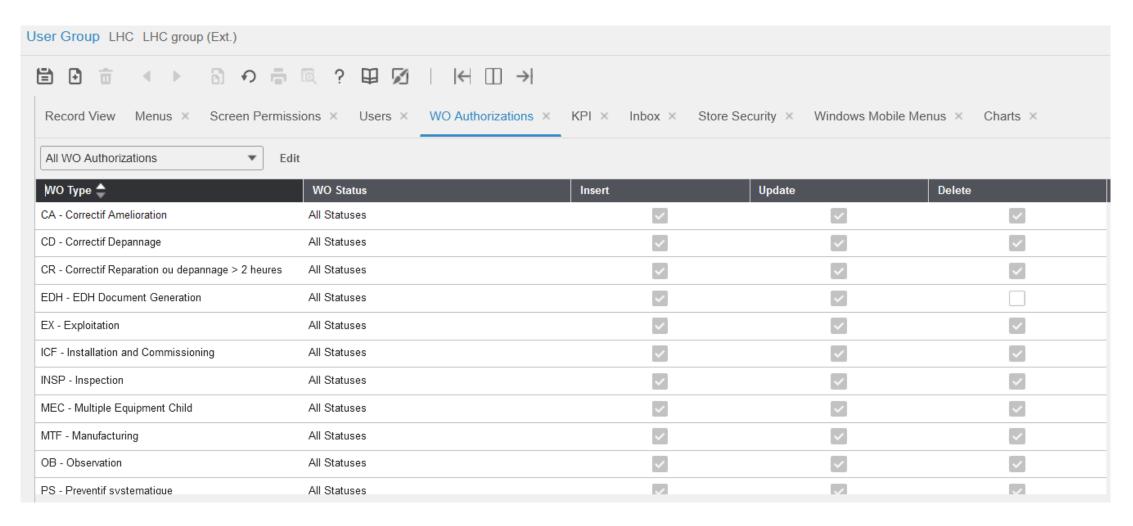
- Predictive maintenance:
 - We started during 2021 to look closer at predictive maintenance for equipment in infor EAM (collaboration with the Infor company)
 - First attempt based purely on work-order history (for lifts and compressors) takes into account
 - "P" type work-orders = preventive
 - "C" type work-orders = corrective/failure
 - We realised that
 - Very few 'C' type work-order corresponded to 'real' failures requiring repair
 - No (consistent) closing codes were found allowing to filter
 - Forced to implement additional screening of work-orders (equipment specific algorithms)
- EN maintenance cost working-group (S. Deleval)
 - Pin-point area where a lot of effort (and money) is spent

Work-order types (P and C)



- P<X> = Preventive
 - PM = preventive maintenance
 - PS = preventive systematic
- C<X> = Corrective (fault / error)
 - CD = Corrective Depannage (repair)
 - CA = Corrective Amelioration (improvement)
- System WO types:
 - MTF
 - INSP
 - EX
 - ..

Work-order authorisations (per user-group)



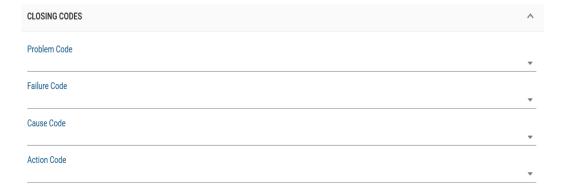
Closing codes

Documentation:

https://edms.cern.ch/ui/file/1309527/11.3/Infor EAM Closing Codes.pdf
https://edms.cern.ch/ui/file/1151891/3.1/Guideline Closing Codes Infor E
AM 20180308 v31 docx cpdf.pdf

CodeExplanationExamplesProblem codeWhat is observed (top level)Computer not workingFailure codeTechnical reason (person intervening)No power on socketCause codeRoot causeExcessive vibrationAction codeWhat was doneFuse replaced

Closing code panel in EAM Light (work-order):



Final comments

- Get in touch with us if you
 - Have any questions about WO types or closing codes
 - Have candidates for predictive maintenance

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