catoolRT 25.3 Release Notes

Changes since 24.12:

- Move "Ignore Double Missing Tooth" from "Acquisition" -> "Advanced Config" to "Trigger" properties in "Acquisition" -> "Configure DAQ"
- Add cycle engine speed parameter "N_CYC"
- Add additional custom parameter functions:
    - vol()
    - current_cycle()
    - speed()
    - BORE()
    - CONROD()
    - ENG_TYPE()
    - NUM_CYLS()
    - STROKE()
    - COMP_RATIO(cylinder)
    - CRANK_OFFSET(cylinder)
    - PIN_OFFSET(cylinder)
- Provide signal min/max in DBC files
- Option to calculate cylinder volume using Kistler KiBox method
- Various bug fixes to the "Import CSV" wizard
    - Import CSV data with cycle per column, up to 2000 cycles
- Support Kistler MFB model
- Fix issue with CAN analysis channels not saving correctly
- Better configuration of offset config in "Edit Channel" dialogue
- Support NI 1.25V channel option
- Support double and single missing teeth in synchronisation (ex 36-2-2-2 and 24-2-1)
- Support outputting CSV statistics in save as dialog
- Correctly calculate cycle stats at end of data acquisition
- Configure whether to check for NI updates at application start ("File" -> "Properties")
- "Reload Defaults" renamed as "Reset Settings"
- Prevent crash whilst calculating angular statistics
- Some improvements to "TDC Determination"
- Improvements to cycle engine speed calculation
- Plot axes decimal place improvements
- Selecting "Reset Settings" in "Configure Analysis" allows you to choose between catool (default), AVL and Kistler KiBox 1 and 2.
- Correctly support CoV/LNV CAN signals as percentage
- 2-stroke encoder TDC fix
- Support missing teeth in any angular location
- Remove "AVAILABLE_EVENT_LIST" from a2l files to improve compatibility with ETAS INCA