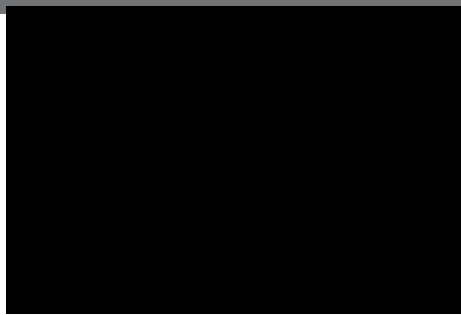# R*TIME Version 16

Robert Ammon

*R*TIME Latest Features*

- **R*TIME V 15.0 (Q3 2018)**
  - 64-bit applications
    - ○ Not all internals converted to 64-bit
  - Archive Compression
  - Expanded Quality
  - Test Bit

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R*TIME Latest Features

- **R*TIME V 15.0 (Q3 2018)**
  - R*TIME Web Viewer
    - Assimilate FAMOS Web Viewer minus FAMOS specific functionality
    - Supported on other platforms like both IOS and Android
  - R*TIME Mobile Viewer
    - Assimilate FAMOS Mobile Viewer minus FAMOS specific functionality
    - Supported on other platforms like both IOS and Android
  - Lots of other stuff
    - See Brent and Erin's presentation on R*TIME V 15 for more details

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Disclaimer

- **The following slides present at least one version of a possible alternate reality for the purpose of eliciting a discussion between Curtiss-Wright and our customers. Customer requirements / needs / wants will be a big determiner on what this new reality looks like.**

R*TIME New Features

- **R*TIME V 16.0 (2019/2020?)**
  - Replace existing R*TIME database technology and concepts
    - Switch to online database only using a commercial database product (Mongo?) for both CVT and MDB functionality
      - Eliminate offline database file
      - Can export online database if need for an "offline" database file
    - Eliminate memory resident CVT and MDB structures
      - CVT subject to performance validation
    - Replication to Standby server and PSS

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*R*TIME New Features*

- **R*TIME V 16.0**
  - Replace existing R*TIME database technology and concepts
    - Change VSUPPORT to interface layer to new database to eliminate reprogramming of other applications
      - Some functions may not be supported if specific to current CVT / MDB
      - Preserve existing WCVT / CVT implementation
      - No changes to applications that access using VSupport API functions
    - Add API functions to create / modify / delete points from applications
    - Add API functions for database field read and write access using field name
      - Standard fields and site / product specific database extensions
      - Add functions for database queries?

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R*TIME New Features

- **R*TIME V 16.0**

  - New database support (VSUPPORT interface retains existing limits)

    - No limit on number of databases per system

    - No limit on number of points per database

    - 255 character point names, no limit on characters (except maybe spaces)

    - Extend database fields by adding to the database definition

    - Eliminate VID and local point ID

      - Emulate VID in legacy VSupport functions

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R*TIME New Features

- **R*TIME V 16.0**
  - Completely replace R*TIME Database Utility
    - Standalone application
    - Initial database creation
    - Manipulate local (on the sever) database or remote (from an administrator workstation) database
    - Point import / export capability
    - Automatically match the database online definition
      - Not require software changes to handle additional site specific database fields
  - Maintain existing features
    - Security
    - Log transactions
    - Validate user input

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