**Feature list EE-Browser V6**

**Basis version features**

**CORE:**

* Stand-alone software solution for explicit usage in Daimler environment to review LDorado-exported HCV container (Windows-platform oriented client application with one main MDI-based form)
* Operates only in 64-bit environments and fully supports Windows 8
* Use of latest user control technologies like MS ribbon menu and dock-able control panes
* Orthogonal and stringent usage control concept (look & feel, GUI design, etc.)
* Guidance functionalities and tooltip support wherever it’s useful are desirably (MOSTLY DONE)
* Support for opening HCV archives including one KBL, maybe one index.xml and at least one SVG file (DONE)
* Reasonable system feedback in case of occurring load operations (progress bars, status messages, etc.) (DONE)

**BASE:**

* Multi-Document handling 🡪 Ability to work on multiple opened HCV documents simultaneously (one session can contain more than one opened HCV document) (DONE)
* Quick load of KBL data to enable possibility reviewing/searching information while SVG drawing(s) will be loaded in background (MOSTLY DONE)
* Choose available SVG drawings which should be loaded/visualized via an document tree (the topology SVG drawing will be automatically loaded and displayed after opening the HCV document) (MOSTLY DONE)
* Central-maintained log file mechanism for all different parts of the software with export functionality (logging console control which gives the user the possibility to understand occurring problems or errors) (MOSTLY DONE)
* Support for touch-optimized usage including multi-touch gestures for navigation and selection in displayed drawings (COULD NOT BE FINISHED COMPLETELY UP TO NOW)
  + 2012-12-04: Mail response from VectorDraw after support request about this issue 🡪 These gestures are not handled by VDF components but by the OS. If you see this document in MSDN: <http://msdn.microsoft.com/en-us/library/windows/apps/hh761498.aspx> You will see that for pinch zoom the similar approach is the mouse wheel which is doing a zooming in VDF components. As you already know our components are .NET 2.0 components and in this framework there is no multi touch events/handlers. We expect in the next 4 months to have more news about it.
* Navigator control displaying the hole document allowing quick navigation and orientation (MOSTLY DONE)
* Intelligent document-comprehensive search functionality which allows searching/highlighting of every available property in all object types (mostly similar to the current implemented solution)

(DONE)

* KBL:
  + Full support of displaying all relevant KBL information in predefined object type-divided grids for a predefined KBL version (V2.3) (DONE)
  + Appearance as well as data content of each offered grid will be maintained by according XML configuration files which will be generated automatically if they are not existing (DONE)
  + User can easily change appearance and content (column order, visible state, etc.) of all grids using information visibility settings dialog (similar like in current EE-Browser version) (DONE)
  + Filter information in grids (DONE)
  + Roundtrip functionality to highlight object dependencies in other grids (DONE)
  + Selected row will automatically highlight regarding drawing object (if visible) and brings it into the active view area (DONE)
* SVG:
  + 100%-consistent visualization of SVG file content (DONE)
  + Interaction with drawing canvas: Navigate (pan), zoom, select (highlight/identify) drawing objects (MOSTLY DONE)
  + Cross-highlight functionality: Highlight referring row(s) in relevant grids while changing selection in opened drawing (MOSTLY DONE)
  + Display/load and hide of all available drawings (MOSTLY DONE)
  + Working with a draft topology drawing originated from graphical information out of the KBL file (allows quickly working on very large-scaled topologies) (DONE)
* Module configuration:
  + Display all available modules with their families in a own tree control (MOSTLY DONE)
  + Activate/Deactivate modules and their assigned data objects in all grids (DONE)
  + Grey-out partly inactive figures like connectors or segments/vertices (MOSTLY DONE)
* BOM view based in additional ‘Index.xml’ file (DONE):
  + Adopt most of the behavior based on the current implemented functionality
  + Has to collaborate with the modified search functionality
* Analysis views (FINISHED UNTIL END OF AUGUST 2013):
  + Providing different basic analysis views causing in various graphical representations
  + Lowlight/Highlight inactive and active figures
* Compare documents (MOSTLY DONE):
  + Compare data objects and graphical representation
  + Highlight changes
  + Export results
* Application settings (FINISHED UNTIL END OF JUNE 2013):
  + User-driven maintenance of global application settings
  + XML-based structure necessary to store settings and should be located in the local application data user folder
  + Has to be used for saving recent opened document list as well
* Export interfaces (MOSTLY DONE):
  + Print/Plot drawing(s)
  + Export grids to Excel
* Software deployment & protection (FINISHED UNTIL END OF SEPTEMBER 2013):
  + Create installation package and automated build processes
  + Use of CodeMeter (known protection environment but also some pending issues regarding CmAct and license borrowing)
  + No different feature maps will be included

**Enhanced version features**

* SVG:
  + Visualization of tooltip on graphical SVG group with basic technical information of regarding data object (MOSTLY DONE)
  + 3D mode and conversion of flat 2D objects like segments and connector faces to bundles and boxes with predefined layout
  + Visualization of real diameter for bundles in 3D mode
  + Simplified visualization of tape layout for 3D bundles
* Module configuration:
  + Load/Save predefined configuration setting (MOSTLY DONE)
  + Module connectivity view
  + Choose/load predefined module configuration during load of HCV document
* Praxis-proven Redlining functionality:
  + Assign text-based comments or graphical sketches against individual data objects and their referred graphical representation
  + Allow setting of different states and record evolution of comments
  + Graphical redlining to overdraw/enhance base graphics
  + Save/Restore comments (additional XML file structure is needed which should be exchangeable by different users and must be importable into EE-Browser to regarding KBL file)
* Import/Export interfaces (MOSTLY DONE):
  + Data import from different formats (DSI, …)
  + Graphical export to DWG, DXG, image formats
* Feature control:
  + Intelligent involvement for enabling/disabling functionalities through control switches based on a predefined feature matrix
  + Administrative mode to change core settings of EE-Browser on customer side
  + Feature control must be implemented completely independent from software protection
* Plugin interface:
  + Ability to load assemblies located in the installation directory of EE-Browser via a predefined interface and configuration settings
  + Display of integrated (loaded) assemblies in own menu
  + Could be necessary for additional analysis views or customer-specific add-on functionalities
* Additional features:
  + Connectivity view based on selected connector (MOSTLY DONE)
  + Start/End connector table view based on selected wire (MOSTLY DONE)
  + Copper content view based on selected connector (FINISHED UNTIL END OF AUGUST 2013)
  + Wire route tracing (highlight wire routes and assigned cavities, lowlight rest) (DONE)
  + Interconnection between simultaneously opened documents which belongs together (inliner identification)