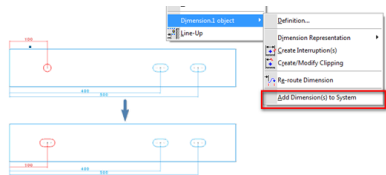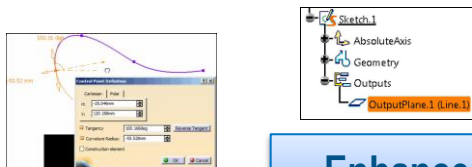# CATIA V5-6R2015 Release Value Synthesis – Key Messages
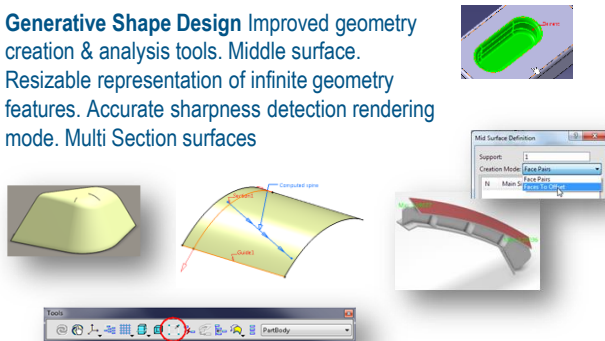
Drafting

Improved Annotation, Picture Display

Polygon Creation, support of ISO 5459:2011

3D Functional Tolerancing & Annotation improved Dimension System Management, Section and Auxiliary Views Associative to a Profile. Dimensions from or to a dimension system
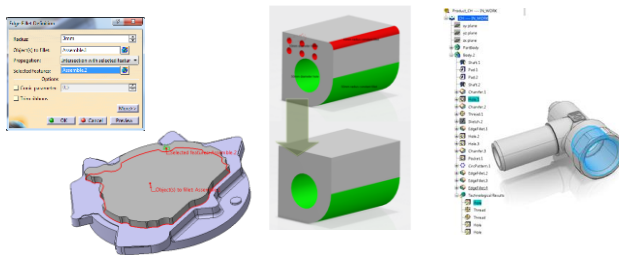
Sketcher : Instantiate 2D Geometries blocks ,Align points command , Apply same constraint to a set of elements, Edit Spline, Axis & Plane output

Generative Shape Design Improved geometry creation & analysis tools. Middle surface. Resizable representation of infinite geometry features. Accurate sharpness detection rendering mode. Multi Section surfaces
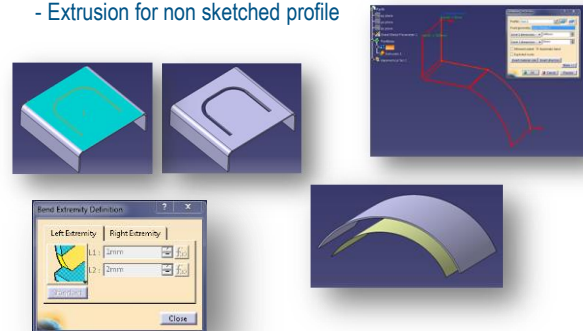
Part Design Optimization of commands.Technological Results cross-highlight. Tolerant modelling : local smoothing in Shell, ThickSurface and Thickness , Identical instances option, staggered step default value, symmetrical instances option, Feature Recognition , features Fillet

Sheetmetal

- Automatic bend creation, Splitting edges, Null radius bend recognition, Improved Copy & Paste, Bend Table
- New thick option for sheet metal cutouts
- Offset from reference face
- Extrusion for non sketched profile

CATIA Imagine & Shape New commands: Face Extrusion, Base-Mesh smoothing Improved Ergonomics & Productivity Extrude along a guiding curve Net Surface as a feature Character lines Subdivision Bevels

Enhanced Products: 26 | Extended Highlights: 100

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