

UNICOM[®] *System Architect*[®] Time Line

11.4.7.2 (Released May 1, 2020)

- Performance Enhancement for Data Centric Diagramming in SA & SA XT
 - When adding a new symbol to a data-centric diagram, only relationships from newly added symbol to existing symbols on diagram are examined & updated; versus examining/refreshing all existing symbols on diagram & their interrelationships
- Port symbols can now anchor on inside & outside of edge of host symbol
- SA XT: selecting name or graphic comment of symbol that resides outside the symbol – SA XT now also selects owning symbol
- SA XT Login page has updated styling
- SA Catalog Manager now imports Active Directory group members that are in different domains
- Greatly improved performance of websites generated by SA Publisher that were presenting architecture with large data set. SA Publisher explorer tree now uses slickgrid.js (replacing jstree.js)
- SA XT Gadget Dashboard upgraded version of Focal Point installed to 7.4
- SA Status bar now presents more progress feedback when: a) updating meta data while opening encyclopedia, & b) generating user property file from the Meta Model Object definitions (Usrprops.txt GUI).
- IBM® Garage Method templates for SA available on Customer Portal
- APQC models in SA made available on Customer Portal

11.4.7.1 (Released January 31, 2020)

- Data Centric “Generic Port”
- Return of Enterprise Merge/Extract
- “Help Me Pick a Line” Wizard
- Analytics Enhancements
 - Specify size of Analytic
 - Specify location of Reference Document “Paperclip” icon
- Data Centricity Enhancements
 - ‘Hide new lines added by refresh’
- Verify/Repair on Selected Items
- Frameworks – BPMN Enhancement to Event-Based AND Gateway
- SA XT Drawing Enhancements – Moving swimlanes for BPMN
- SA XT Reporting – Save to File & Export Saved Queries
- Performance – Activity on a Performer Swimlane
- Other Enhancements
 - Integrations – SA-DOORS supports DOORS client 9.7
 - Access Control Enhancements
 - Support for Windows Server 2019
 - Access Control Preview

11.4.7 (Released Oct 18, 2019)

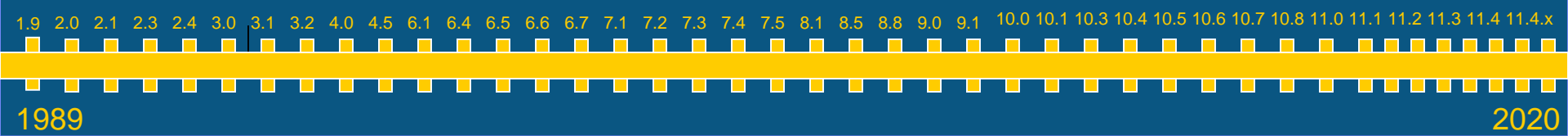
- **Frameworks/Customizable Metamodel:**
 - *Ports Generically Available*
- **Frameworks: DoDAF 2.02 Update:**
 - ActivityResourceOverlap (DM2r) renamed to ActivityProducesConsumersResource (DM2r)
 - Data Store (DM2rx) was added to the types available in an SV-10c Data Store definition.
- **Web: SA XT Diagramming Enhancements**
 - *Box-in-Box data centrality*
 - *Display alternate depiction*
 - *Selection of Pen thickness*
- **Reporting**
 - *SA XT GUI supports typing a letter to quickly find definition/symbol/diagram*
 - *SA XT now allows selecting Defines/Defined By relationship (used in data centric behavior)*
- **Web: SA Publisher enhancement**
 - *SA Publisher output website explorer tree is now built using a group of uncomplicated HTML and CSS files to allow for easier user style and functional customizations*
- **VBA 7.1 replaces VBA 6.5**
- **XML Export/Import**
 - OK button to specify export to begin when all related items have been found. XML Import now allows import of immediate folder contents rather than forcing the user to select each file in a folder
- **Performance:**
 - Ecy & catalog structures updated to remove use of some types going out of support
- **Access Control**
 - *Several enhancements made on how to set permissions in SA Catalog Manager*

11.4.6.2 (Released June 1, 2019)

- *Frameworks: TOGAF 9.2*
- *Frameworks: NAF 4.0*
- *Reporting:*
 - *Across Workspaces*
 - *Support for Sub Reports in Reporting GUI for SA & SA XT*
 - *GUI Extended to 9 Levels*
 - *Generation of Pictures of Diagrams*
 - *Ability to Report on Hidden Fields*
 - *Saving Reports Built in SA XT*
 - *Report on 'By Reference' Property Name*
- *Integrations: Support for REST Write*
- *Analytics:*
 - *'Paperclip' icon introduced for Reference Docs*
- *Configurability of Web Client*
 - *Ability to edit /set configuration defaults of SA XT web.config file through Catalog Manager*
- *Encyclopedia Management*
 - *Definition dialog now provides a button showing the available space left for the object properties, in percentage form*
- *Microsoft VBA 6.1 Made Optional Install*

11.4.6.1 (Released Jan 15, 2019)

- *Web: SA XT Diagramming Enhancements*
 - Create line symbols from the Draw toolbar
 - Change connections and deletion of line symbols
 - Be alerted by a prompt for required definition properties on drawing nodes/lines for new definitions
 - Draw lines to existing keyed definitions
 - Use an Apply button in SA XT Definition & Diagram properties editor
 - No longer receive session timeouts while editing a diagram in System Architect XT – it is now prevented
- *SA XT Reporting GUI Enhancements*
 - Additional reporting levels: Users can now build reports up to 10 levels.
 - Filter available types & properties: the Available Types and Available Properties lists are now filtered by selections made in previous levels.
 - Filter reference types & allow custom or renamed reference types: Reports now support multiple reference levels. The Reference Types shown in the next level’s dropdown now depend on the Types selected in previous levels. Also, the Reference Type dropdown will recognize custom and renamed Reference Types entered in USRPROPS.TXT.
 - Subreports: Users can build reports that include subreports. Because the queries entered in SA XT are not stored in a report file, you must include the location of the subreport file in the query text.
- *Conceptual Data Model for UAF & DoDAF 2*
- *SA Reporting System Now Supports Sub Reports*
- *Replacement of WMF with SVG graphics*
- *Support for Microsoft Office 2016*



11.4.6 (Released Oct 15, 2018)

- Unified Architecture Framework (UAF)
- SA XT Reporting GUI
 - GUI Editor for Web Reporting
- SA XT Diagramming Enhancements
 - Web diagramming starting to match SA rich client
- Web Reporting Dashboards – Diagram Preview
- Web Reporting Dashboards: D3 Chart Enhancements
- SA Definition Dialog Usability
 - a Type restriction option is now available in the SA Choices list
- Licensing
 - Time period for when a license is checked over your network can now be adjusted
- SAEM supports TLS 1.2 connections (previous 1.0)
- SVG images for all of DoDAF 2 (Replacing .wmf)

11.4.5.2 (Released April 25, 2018)

- SA XT enhancements
 - Representationally consistent diagram types available
 - Enhancements to SA XT drawing (pen, fill, font color selection, etc)
 - Enhancements to BPMN modeler
 - Mouseover highlighting added to SA XT diagramming
- Enhanced Pan/Zoom on SA XT & SA Publisher SVG Output
- Enhanced SA-Focal Point Integration
 - Enable mapping of SA List properties to FP Choices, and mapping of SA text and date properties to FP
 - SA-FP mapping can be performed via Command Line with Silent Synch
- Security
 - SA now provides the ability to use encrypted Microsoft SQL Servers when connecting to encyclopedias

11.4.5.1 (Released January 10, 2018)

- **Web: Enhancements to SA XT Diagram Editor**
 - Support for Gradient Fills
 - Support for loading symbol colors from Stylesheet
 - Support for Duplicate Check
 - Access diagram symbol properties to specify such things as parent/child navigation
- **Web: SA Publisher Enhancements**
 - All chart supvisualizations rewritten in JavaScript using D3.js Javascript library
 - Support report filter & drill down
 - SA Publisher now ports compressed SVG graphics
- **Web Output: Elimination of Dependency on Java in SA utilities:**
 - Output of HTML Generator, SA Compare, and Compare Diagram rewritten in JavaScript to eliminate the dependency on Java Runtime Environments
- **Security:**
 - Support for Encrypted Connection to Encyclopedias
- **Frameworks: ArchiMate 3.0 Enhancements**
 - 10 new matrices added
- **Matrix Designer**
 - Enhancement to make it easier to build matrices with Explicit Join definitions

11.4.5 (Released October, 2017)

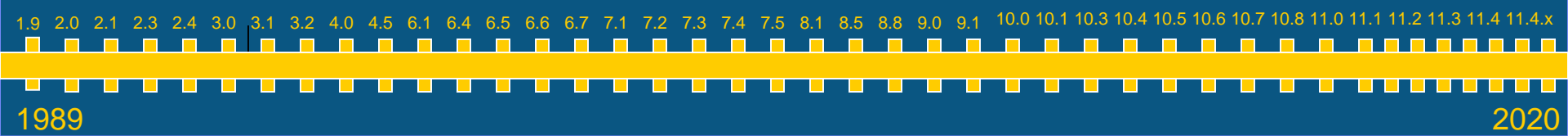
- SA XT significant update to eliminate dependency on Java JAR
 - SA XT diagram editor rebuilt as JavaScript diagram editor
 - SA XT chart visualizations rewritten in JavaScript using D3.js JavaScript library
- Reporting:
 - Filtered Drill-Down Reporting: SA XT now features reporting charts that enable you to drill-down on selections, with each drill down doing a filter based on selected items
- Integrations:
 - SA XT now displays OSLC links in definition pages
- *Frameworks -- DoDAF 2:*
 - Op Exchange Generation now possible from filtered set of Activity Resource Overlaps
- *Usability:*
 - “Apply” button and CAUSESAPPLY behavior has been implemented in the modern Properties Pane Editor, matching behavior in the classic definition Editor – instantly change properties seen based on value of a stereotype
- Metamodel Customization:
 - ALLOW_COPY keyword allows you to copy property value of a text field by highlighting it
- *Reporting:*
 - Support added for Office 2013, and 64-bit versions of Office

11.4.4.3 (Released April 26, 2017)

- *Web:* SA XT no longer dependent on JAR
- *Usability/Graphics:* Full support for SVG on diagrams in System Architect
- *Usability/Graphics:* Improved support for EMF (Enhanced Meta Files) in SA
- *Usability & Metamodel:* Ability to specify position of user-defined Chapters (tabs) in USRPROPS
- *Usability & Metamodel:* Calendar date picker in definition dialogs
- *Metamodel:* Advanced input validation via USRPROPS
 - Example: ability to specify a property as float 2.3, so that values like 2, 11, 1.1, 2.5, 2.55 or 12.24 are accepted as 2.3 floats
- Numerous fixes to the product, detailed in the Release Notes

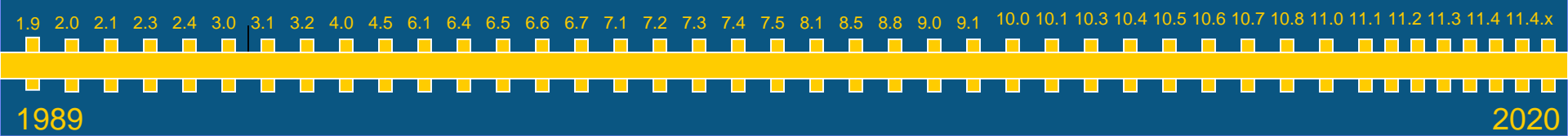
11.4.4.2 (Released January 3, 2017)

- *Web Dashboards:* SA/FP Gadget Dashboard - new product comes with SA XTNew WebHelp System
- *Web Enhancements:* Improved, HTML-5 based (& mobile) UI design for SA Publisher output
- *Meta model:* Enhancements to the Meta model diagram to more clearly show currently deployed meta model in an ER-type view
- *Frameworks:* Roadmapping available out-of-box
- *Frameworks:* Capability Maps available out-of-box
- *Usability:* Augmented ability to selectively reveal hidden lines
- *Usability:* Ability to select line thickness independent of line style
- *Usability:* Support for .png and .jpg formats for SA Draw capability
- *Usability:* Continued improvements to the help system
- *Functionality:* DB Synchronize re-enabled & supported again
- Numerous fixes to the product, detailed in the Release Notes



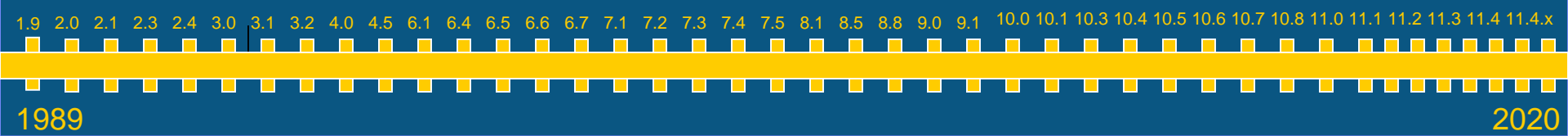
11.4.4.1 (Released September 6, 2016)

- *Frameworks*: Native support for ArchiMate 3.0 as paid add-in
- *Metamodel*: Enhancements to the Metamodel Language and Metamodel Editor
- *Reporting*: Enhancements to the Native Reporting System
- *Usability*: Enhancements to Display Mode capabilities
- *Usability*: Continued improvements to the help system
- Numerous fixes to the product, detailed in the Release Notes



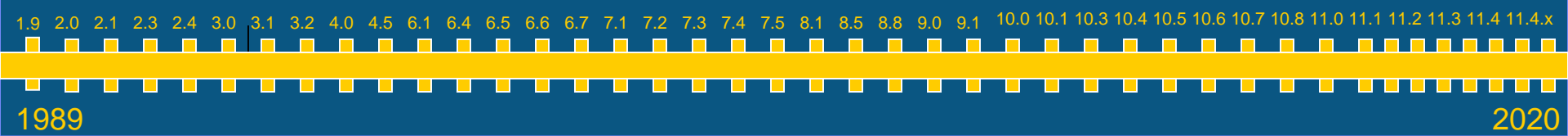
11.4.4 (Released April 19, 2016)

- New UNICOM Licensing Technology
- New WebHelp System
- Rebranding
- Minor bug fixes



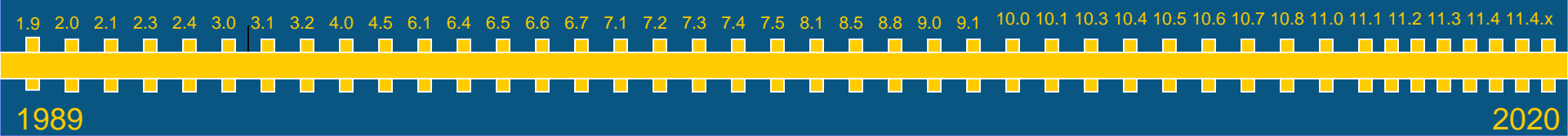
11.4.3.6 (Released Dec, 2015)

- DoDAF 2 project enhancements
- Analytic improvements – positioning of icons on a symbol
- Explorer diagram enhancements
- SADM pivot table gadget
- Merge/Extract improvements – including ref docs in merge
- SA/ERP improvements – Salesforce.com



11.4.3.5 (Released Sept, 2015)

- Improved deployment for SA DM
- Introduction of JRS for Dashboard
- User Experience Improvements
- Additional Classic reporting in SADM
- OSLC Linking Improvements
- Foreign Key Improvements

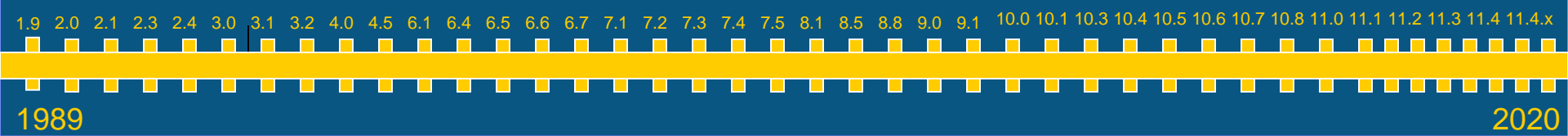


11.4.3.4 (Released June, 2015)

- New text position command – “Keep text position with respect to Name rather than nearest line point”
- New macro permissions in SA Catalog Manager access control: Check in, Check out, Freeze, Unfreeze, Lock, & Unlock
- DoDAF 2 -- OV-4 Performer Composition diagram, with new relationship Component Of and Composed Of
- DoDAF 2 -- Ability for timeline to be placed directly under each roadmap item on SV-8 and PV-2

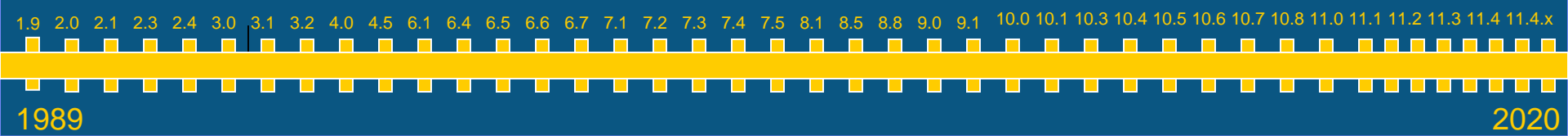
11.4.3.3 (Released March, 2015)

- Explorer Landscape diagram positioning improvements
- Explorer Landscape diagram font scaling improvements
- Explorer diagram Refresh
- Object History – Restore Definition capability
- New Format option for Arrange symbols at center of container
- Matrix improvements – dragging/dropping info into a matrix, switching columns/rows of matrix, grouping rows/columns, open an empty matrix, and removing rows/columns
- Note symbol added to diagram types; like Text symbol but supports Word wrap and resizing



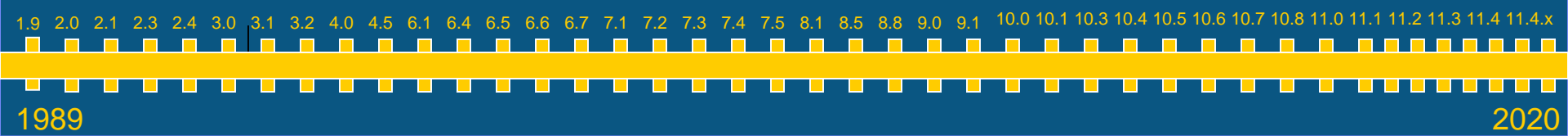
11.4.3.2 (Released Dec, 2014)

- New DoDAF 2 reports for OV-3 and SV-6
- Improvements to DoDAF 2 Measurement Instances
- Configuration tool for REST Server
- Enhancement to Display Mode command
- Improvement to Straightening of Non-Elliptical Lines



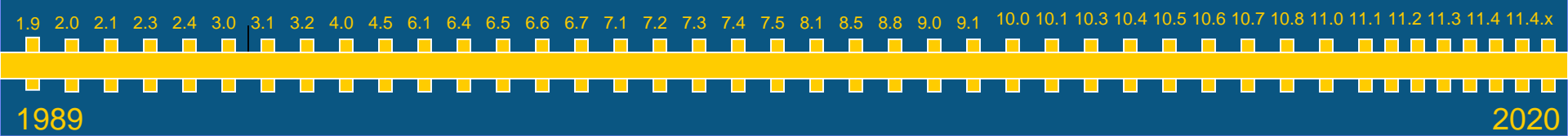
11.4.3.1 (Released Sept, 2014)

- System Architect first IBM tool available on new “Measured Token” program



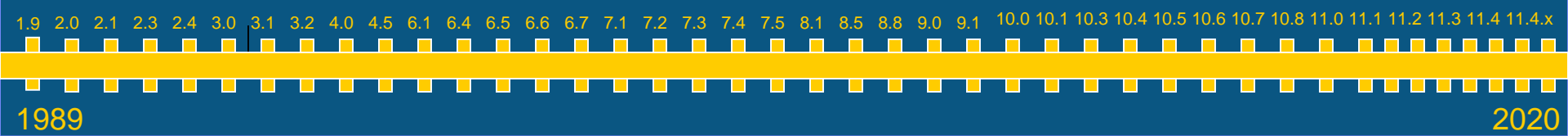
11.4.3 (Released June 6, 2014)

- SA Design Manager
 - An SA Design Manager license comes with every license of SA or SA/XT
- TOGAF 9.1 Enhancements
 - New TRM diagram set
 - Cross-Domain diagram type introduced
 - Network Infrastructure diagram introduced
 - New TOGAF relationships introduced, superceding uses/used by
- DoDAF 2 Enhancements
 - SV-8 Systems Evolution viewpoint
- SA/ERP Enhancements
 - Updated to support Saphir 6.1
 - Usability improvements
 - Metadata can be extracted from any SAP ERP or SAP BW system hosted on HANA
- Sunset:
 - SA Process Integrator, RDE/SG generation, SA - RAM integration, Enterprise Merge/Extract, XMI import/export, SSADM, Word Reports



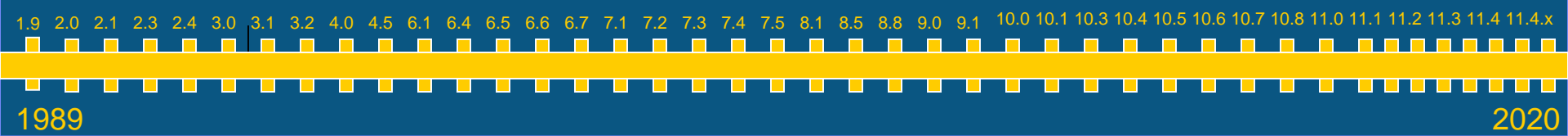
11.4.2.7 (Released March 14, 2014)

- Addition of XML and BPMN Export Options
- Improvements to Metamodel Object Functionality
- Many CR's Fixed and Minor RFE's Implemented



11.4.2.6 (Released Dec 13, 2013)

- Support for FEAF 2.0
 - Federal Enterprise Architecture Framework 2.0, part of FEA Ref Model add-on
- Data Centricity for Explicit Box-in-Box Join Relationships
 - Implemented in BPMN for DoDAF 2
- Control of Implicit Box-in-Bos Relationships
- DoDAF 2 Enhancements
 - Removal of GUIDS from DoDAF 2 support
- Many CR's Fixed and Minor RFE's Implemented

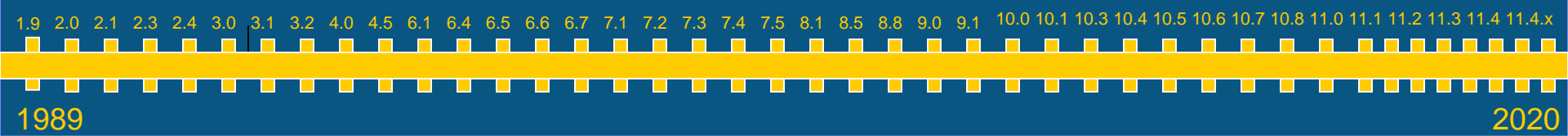


11.4.2.5 (Released Sept 28, 2013)

- DoDAF 2: Auto Generation of System Exchanges & System Resource Flows
 - Also: Inconsistency Reports of Op Exchange/Needline Matching
- DoDAF 2 – BPMN Additions
 - Rules Check Reports for BPMN 2.0 /DoDAF 2 Architectures
 - **OV_05b BPMN Missing ActivityPerformedByPerformer Rules Check**
 - **OV-05b BPMN Missing Activity Rules Check**
 - **OV-05b Missing Part Of Pool Rules Check**
- Many CR's Fixed and Minor RFE's Implemented

11.4.2.4 (Released June 21, 2013)

- TOGAF 9 Enhancements: Infrastructure-Level Modeling
 - Enabling Capture of Versions and Instances of Applications & Technologies
 - Configuration Item -- {Abstract}
 - Database Instance
 - Operating System Instance
 - Device Instance
 - Physical Application Component Instance
 - Physical Application Component Version
 - Physical Technology Component Type
 - Server Instance
- Streamlining of TOGAF 9 Metamodel
 - Changes made to the out-of-box TOGAF 9 metamodel to make it more streamlined and easier from a usability standpoint
- DoDAF 2: Auto Generation of Operational Exchanges & Needlines
 - Also: Inconsistency Reports of Op Exchange/Needline Matching
- DoDAF 2 -- BPMN
 - BPMN 2.0 for DoDAF 2 OV-5, SV-4, and SvcV-4
 - BPMN 2.0 Reference to DM2 for Usage in OV-6c and SV-10c
- DoDAF 2: New SV-6 Report
- Many CR's Fixed and Minor RFE's Implemented

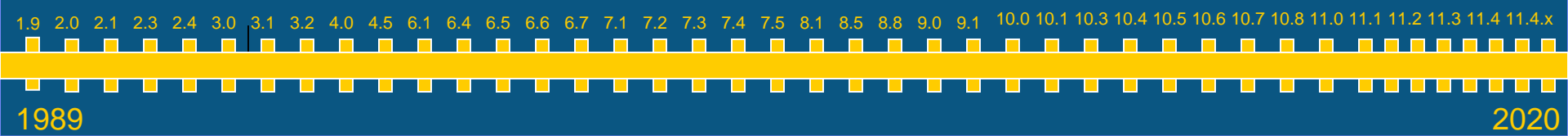


11.4.2.3 (Released March, 2013)

- Numerous Fixes and Minor RFE's Implemented

11.4.2.2 (Released Dec 21, 2012)

- **New Capability View product, CV-01 Blueprint**
 - Underlying relationships added to connect Capability to Desired Effect
- **Box-in-box data centric behavior introduced in DoDAF 2**
 - Project within Project: "Project Part Of Project" reference
 - Capability within Capability: "Parent Capability" reference
 - System Function within System Function: "Part of Function" reference
 - Service Function within Service Function: "Part of Function" reference
 - Activity within Activity: activityPartOfActivity reference
- **New DoDAF2 Explorer Relationship Reports to aid creation of Operational Exchanges, Needlines, System Exchanges, & System Resource Flows**
 - SV-01z and SV-10c and SvcV-01z System Data Flow and Service Data Flow Generation
 - OV-02z and OV-06c activityResourceOverlap Generation
 - OV-02 and SV-01 and SvcV-01 Operational Exchange and System Exchange Generation
- **NAF3 Explorer Relationship reports are now provided**
 - NPV-1 Organisational Resource to System Entity
 - NPV-1 Acquisition Project to System Entity
 - NAF3 Explorer Object Reports added - Capabilities related to Acquisition Projects as related via System Entity
 - Acquisition Projects where Disposal Date < Given Date
- **Many CR's Fixed and Minor RFE's Implemented**

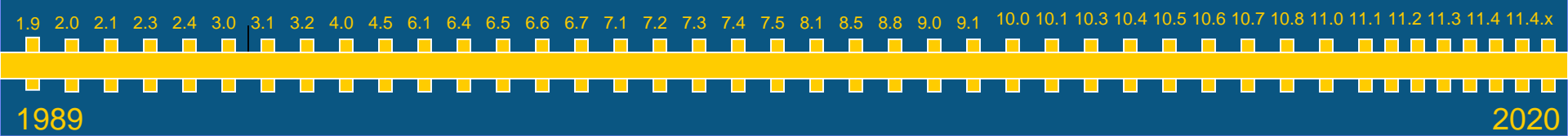


11.4.2.1 (Released Sept 28, 2012)

- DoDAF 2 Enhancements
 - Metamodel changes to introduce Operational Exchange, System Exchange
 - Physical Resource Flow added to SV-2
 - Measures – new regimen for adding Measures
 - Note: deprecation of Resource Flow, Measure types
- Business Motivation Model (BMM) formerly added to TOGAF 9
- Many CR's Fixed and Minor RFE's Implemented

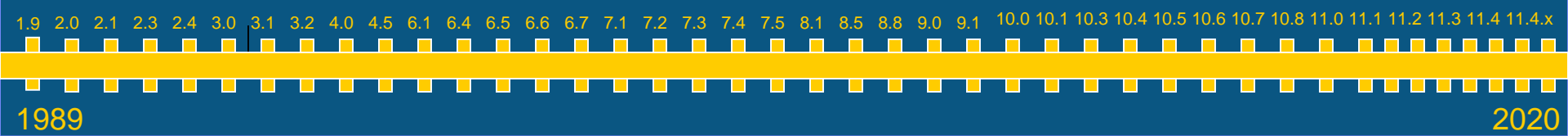
11.4.2 (Released June 15, 2012)

- DoDAF 2.0 Enhancements
 - CV-3, CV-4, PV-1, PV-2, SV-10b, SV-10c, AV-2, SvcV-5, SvcV-6
 - Box-in-Box Data Centricity for Implicit Relationships Implemented
 - Graphical Metafiles for Symbol Depictions
- TOGAF 9.0 Enhancements
 - Introduced set of representationally consistent (or data centric) standard diagrams: Business Architecture, Business Footprint, Business Service Information, Event, Goal/Objective/Service, Data Dissemination, Data Entity/Data Component, Application Communication, Application and User Location, Platform Decomposition, Software Distribution, Technical Architecture
 - Turned off non-TOGAF diagrams and matrices to make TOGAF 9 simpler to use
- Updated Business Motivation Model (BMM)
- Improved OSLC Workflows and Rich Hovers
- Improved Workspace Merge
- Analytics Improvements
- Usability Enhancements
- Installer Consolidation
- New Out-of-Box Content
- Integration and Platform Version Updates
- Availability of System Architect in Additional Languages -- Portuguese (Brazilian) and Czech



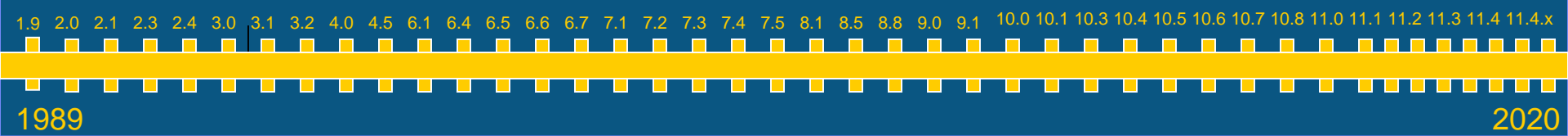
11.4.1.1 (Released Dec 16, 2011)

- Numerous CR's Fixed and Minor RFE's Implemented



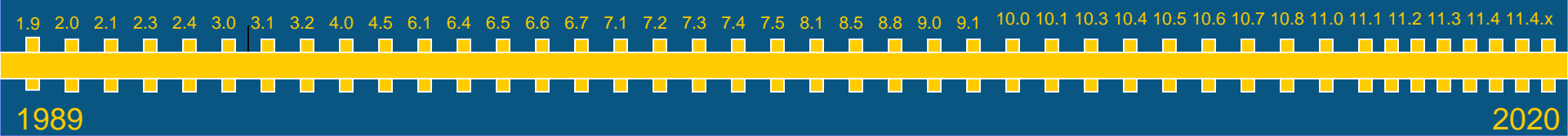
11.4.1 (Released Oct 28, 2011)

- Four Add-in's Now Provided at No Charge; Must Request License Keys
 - SA Compare, SOA Add-On, XML Architect design, SA Process Integrator (BPMN integration with Visio)
- Usability Improvements
- Jazz/OSLC Integrations
- BPMN 2.0 Interchange
- DoDAF 2.0 Enhancements and Additional Viewpoints
- Improved Workspace Merge with Workspaces
- Access Control Improvements
- SA/ERP Enhancements
- Support for Cognos 10.1 (in addition to previous support for 8.4)
- Support for Microsoft Office 2010
- Additional Session Options and Other Options
- Over 140 Change Requests and Requests for Enhancement Implemented



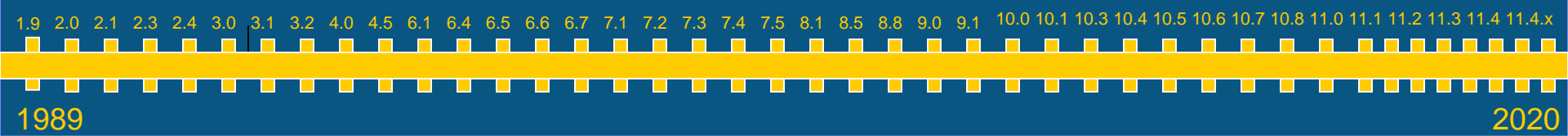
11.4.0.3 (Released April 29, 2011)

- DoDAF 2 Drawing Icons and Drop-Down Functionality
- Symbols with Gradient Fill
- Line and Metafile Smoothing with Anti-Aliasing
- Removal of GUIDs from Report Output
- Numerous CR's Fixed and Minor RFE's Implemented



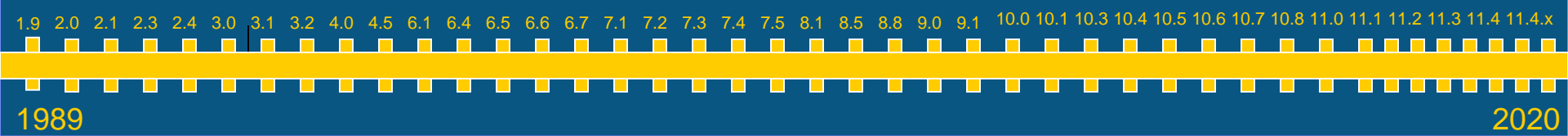
11.4.0.2 (Released March 27, 2011)

- Support for Oracle 11G (Release 2) as Backend Database
- Merge/Extract of Workspace Deletions
- Quick Compare
- Numerous CR's Fixed and Minor RFE's Implemented



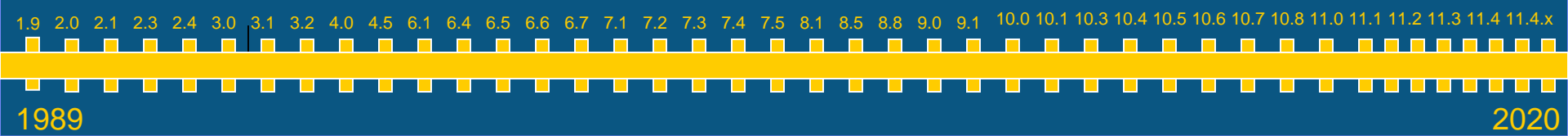
11.4.0.1 (Released Dec 17, 2010)

- Matrices with Rep Consistency
- DoDAF 2 Additions (CV-5, CV-6, CV-7, OV-3, SV-3, SvcV-3a)
- MODAF Improvements (Rep Con to SV-1, etc)
- Support for Chinese Language, Traditional and Simplified



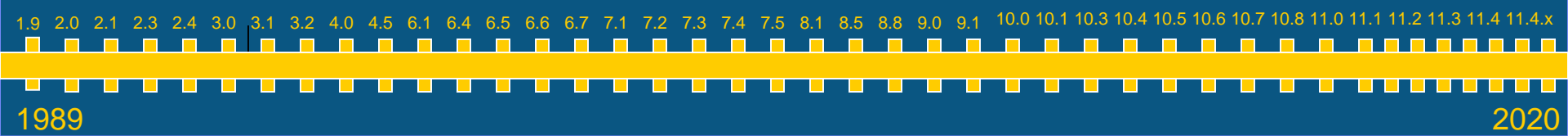
11.4 (Released Sept 17, 2010)

- DoDAF 2.0 Support
- BPMN 2.0 Support
- Model-Based Behavior
- Metamodel Inheritance
- Instance Modeling
- TOGAF 9 Updates
- Powerpoint 2007 Live Integration
- Landscape-Style Explorer Diagrams
- Improvements to Property window
- Improvements to References window
- Access Control for Workspaces
- Improvements to Compare Models Function
- Property Set Normalization
- Help on Information Center
- SA-RAM Integration
- SA-DOORS Out-of-Box Reports for Rational Publisher Engine (RPE) Add-On
- SA/XT Improvements
 - Visual Update
 - Stable URL's
 - Matrix Viewer
 - Workspace Selector
 - Diagram Undo/Redo
 - Definition Reuse on Diagrams
 - Diagram and Definition Rename
 - Edit Reference Documents Property



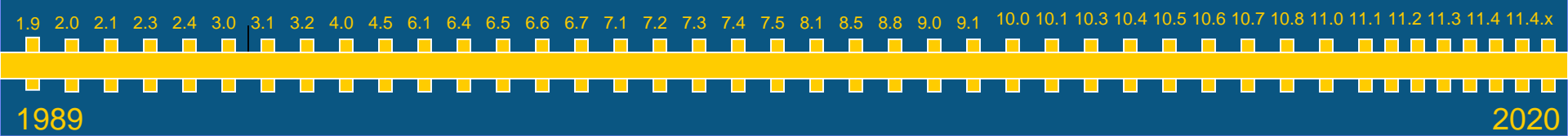
V11.3.1.2 (May 21, 2010)

- BPMN-based OV-5 for MODAF



V11.3.1.1 (March 26, 2010)

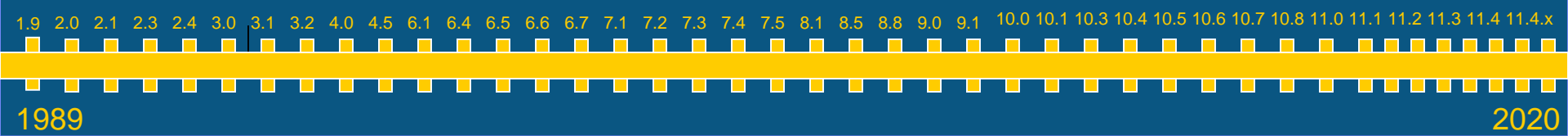
- Cognos-based Reporting
- Cross-Tool Traceability/Governance with SA/Pub Output URL's
- RPE Integration Improvements, including Relationship Reporting



V11.3.1 (December 11, 2009)

SA V11.3.1 Build 170

- REST-Enabled Encyclopedias – Optimized XT Reader Integration
- TOGAF 9 Support
- Analytic Builder Wizard
- Focal Point Import Enabling Bidirectional Integration
- History Pane Improvements
- History-Based Compare
- SA Advanced Search
- Reports Generate to Grid Pane
- Enhanced Diagram Grid Support
- Rational Publishing Engine Integration
- SA Installer Improvements
- SA/XT Login Improvements
- Support for Microsoft SQL Server 2008 as an underlying repository
- Support for Microsoft Windows Server 2008
- Bi-directional Language Capabilities



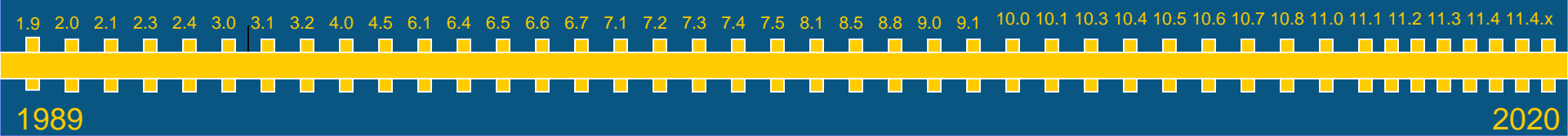
V11.3.0.2 (August, 2009)

- Bug Fixes
- Minor metamodel changes to SA's MODAF 1.2 support to align it closer with the MoDAF1.2 specification

V11.3 (June 2, 2009)

SA V11.3 Build 128

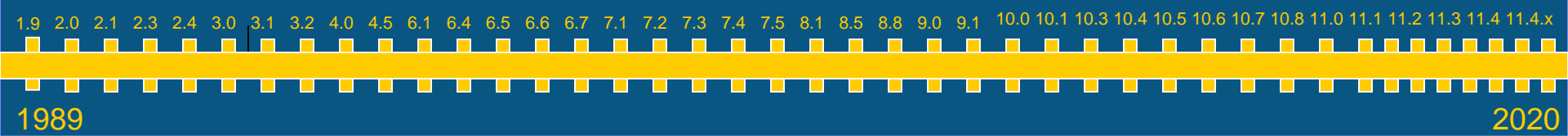
- Workspaces –support for as-is, and multiple to-be architectures
- Mirrored Properties
- Usability Improvements
 - Views Explorer Improved; Is New Default Browser
 - More Easily Accessible Referenced By
 - Streamlined Point-Click-Explore Interaction
 - Explorer Properties window allows editing of text properties
 - Property History dialog extended to include all properties
 - Better SA Diagramming Aesthetics – Modernized look and feel of drawing cursors, symbol handlebars, toolbar icons
 - Case Insensitive Reporting and Search (Ignorecase command added to reporting system)
 - SVG Export to JPG, PNG, and PDF
 - Auto-Arrange BPMN Diagrams
- Search Engine
- Metamodel Graphical Editor
- Heatmaps Manager for Improved Analysis
- Support for MODAF 1.2 and NAF 3
- SA/XT Usability Improvements
- SA/Focal Point Integration
- SA/Process Integrator Usability Improvements
- SA Available in French, German, Japanese, and Spanish
- Sunset: Removed Code Generation/Reversal from UML



V11.2 SP1 (Feb, 2009)

SA V11.2.25

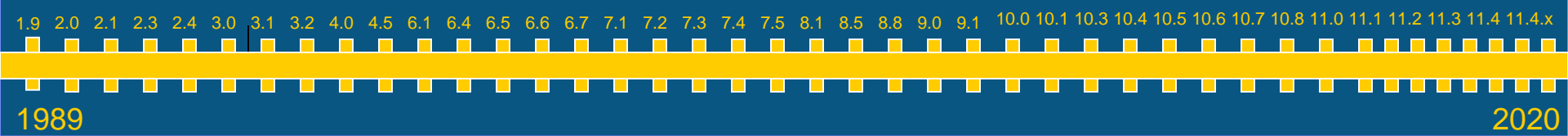
- SA/XT Supports Editing and Addition of 'Keyed' Definitions



V11.2 (Nov 1, 2008)

SA V11.2.15

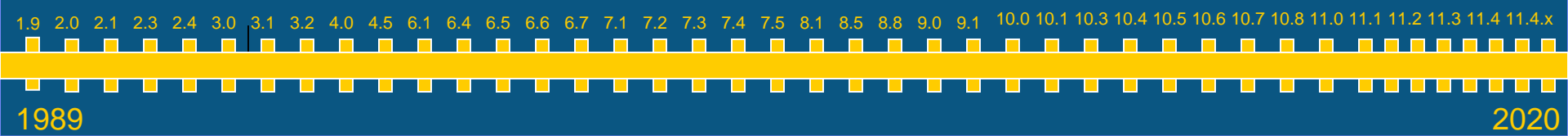
- IBM “Bluewashing” of the System Architect family of products
- Support for Ports in System Architect’s Native UML Functionality
- Report Generator User Interface for Sorting
- Improved Spell Checker in System Architect
- SA/XT Usability Improvements



V11.1 SP1 (Sept 25, 2008)

SA V11.1.27

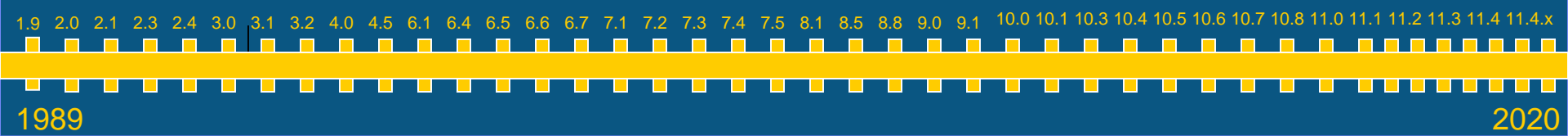
- MODAF AcV-2 Acquisition Programme ('Project Timeline') Diagram Improvements
- New SDX Generation Option for DoDAF ABM – Generate SDX's Based on Drawn Lines
- DoDAF ABM Report Improvements



V11.1 (July 23, 2008)

SA V11.1.22

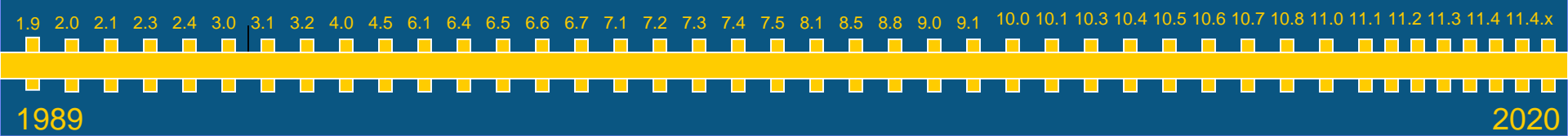
- SA – Change Integration
- Usability Improvements to SVG Output in SA/Publisher and SA/XT



V11.0 SP2 (April 28, 2008)

SA V11.0.37 SP2

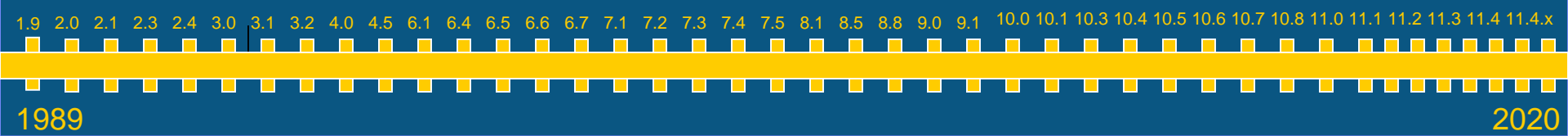
- SA – Change Integration
- Usability Improvements to SVG Output in SA/Publisher and SA/XT, including Thumbnail Browser and Adjustable Hotkeys
- Usability Improvements to SA/XT Line Drawing for BPMN Diagrams



V11.0 SP1 (March 28, 2008)

SA V11.0.37 SP1

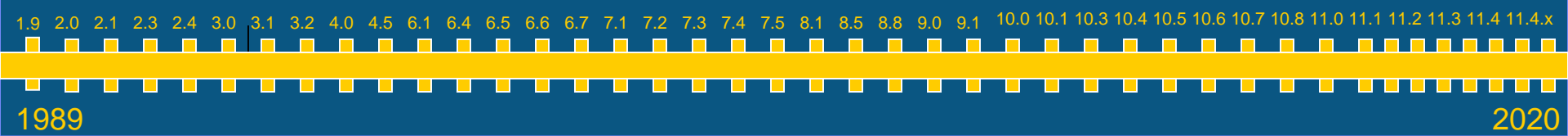
- SA/Process Integrator – Inauguration
- ER Diagram Improvement
 - Option to show entity notation in Subject Area based on Model information



V11.0 (Feb 15, 2008)

SA V11.0.30

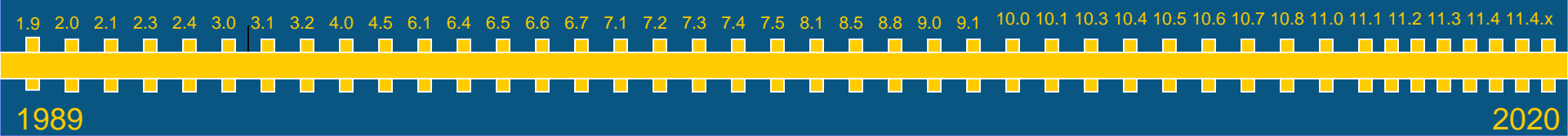
- Views Explorer
- Ability to Compare Diagrams Visually (Visualizations)
- DoDAF 1.5 Support
- SA/XT Drawing Capabilities for BPMN Diagrams
- UML 2.1 Support
- Improvements to iRMA Reports
- Wizard to Videotape Issues and Generate Support Requests
- Telelogic Directory Services (TDS)



V10.8 (September 2007)

SA V10.8.4

- Improvements to SA/XT Usability
 - Sortable table column headers
 - Row Count
 - Publishing toolbars on each output page
 - Page Trace Breadcrumbs
- Improved SA/XT Installation
- Improvements to SA/Publisher
 - Dashboards
 - Same Improvements with SA/XT



V10.7 SP1 (July 2007)

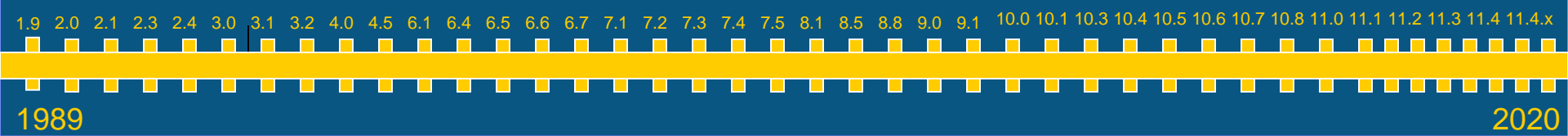
- Bug Fix Release

SA V10.7.16

V10.7 (May 2007)

SA V10.7.14

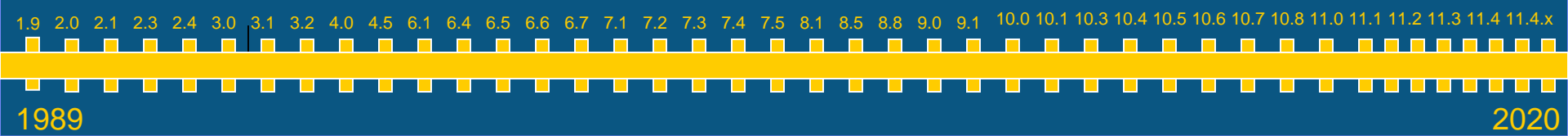
- Improved Repository Support
 - Support for SQL Server 2005 as underlying repository (as well as SQL Server 2000)
 - Support for Oracle 10G as underlying repository (in addition to Oracle 9i)
 - Support for SQL Server 2005 Express for single installations (replacing MSDE)
- Improved Data Modeling Support for DBMS's
 - Support for Teradata 2.6 schema generation to file
 - Support for SQL Server 2005 schema generation to file and live connection and reverse engineering via live connection
- SA XT Improvements
 - Ability to edit/add definitions through 'simple' **OneOf** & **ListOf** properties
- Support for data types Numeric Date Time Boolean
- Adobe SVG Viewer Replacement
- SOA Solution
- Support for Windows Vista Operating System
- Improvements to DoDAF ABM
 - IER and SDX generation



V10.6 (February 2007)

SA V10.6.10

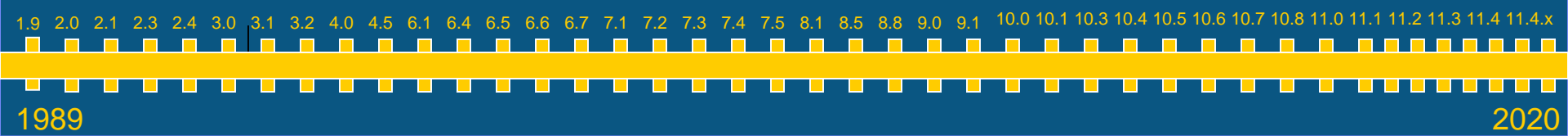
- Support for the MOD Architectural Framework (MoDAF)
- Changes to SDX Generation and SV-4 Auto Balancing in SA DoDAF ABM
 - SDX Generation Now Takes Into Account Splits and Joins of Data Flow Lines
 - SDX Generation from Data Flows on Parent/Child Diagrams Without Need for Uncles
 - Auto-Balancing of Data Flows on Parent/Child Diagrams



V10.5 (December 2006)

- Fully Localized Version of SA
 - First Targeted Language = Japanese

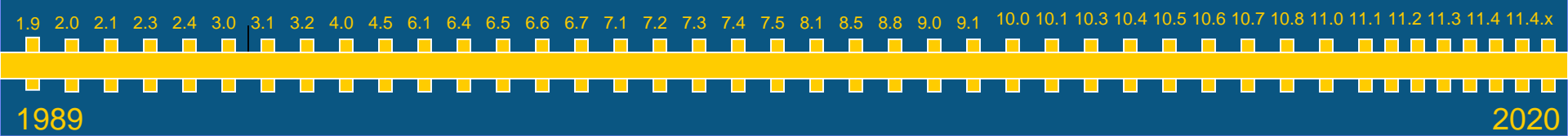
SA V10.5.22



V10.4.23 (July 2006)

SA V10.4.23

- NAF Option – Support for the NATO Architecture Framework
- Oracle Repository
- Improved Licensing Option – Ability to Use Different Versions of SA via One License File
- SA/ERP – Released in late August, 2006 as separate add-on available from Support Center of website



V10.4.11 (April 2006)

SA V10.4.11

- User Interface Redesign
 - Intelligent Menus, New Toolbars, New Encyclopedia Open Dialog, Tabbed Diagram Support, New Browser Property Control, Browser Renamed to Explorer, New Matrix Browser, New Docking Log Window
- Network Concept Diagram Enhancements
 - Cisco Images Included
- XML Schema (XSD) Management
- BPEL Generation Upgrade
 - Also Support BPEL Patterns
- Color-Coded Matrices as Part of Analytics
- Meta Model Diagram
- Official Support for Terminal Server (and CITRIX)
- Customer Experience Program
- iRMA Enhancements
- Performance Improvements to SA-DOORS Interface

V10.3 (November 2005)

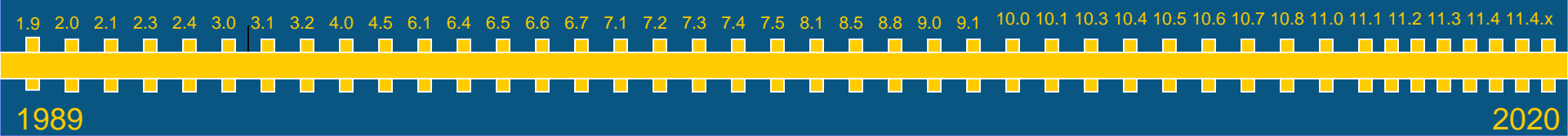
SA V10.3

- SA-DOORS Interface V2
- New Licensing – FlexLM
- Oracle Repository
- Instance Level Access Control
- History Tables
- Analytics
- Explorer Diagram Improvements
- System Architect OLE DB
- Normalized Table Builder
- DB Synchronize Support for DB2 UDB
- DB Synchronize Support for Oracle 10G via DDL file
- Location of Guidebooks controllable through an SA2001.ini setting
- Symbol Layering
- Product Rebranding

V10.1 (May 2005)

SA V10.1.11

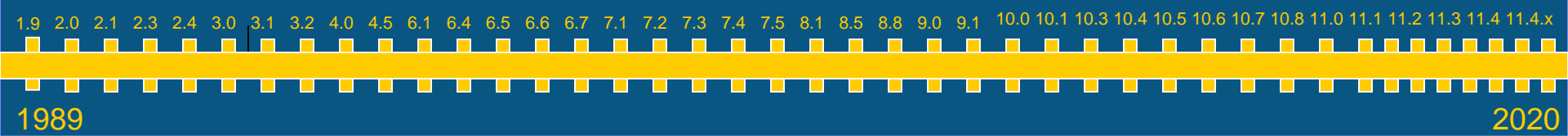
- DB Synchronize for Oracle 10G
- Many New Drawing and Publishing Features
 - Ability for Menu Structure to Be Customized (In Addition to Toolbars)
 - Ability for Symbol Name to Be Positioned Independent of Other Properties
 - New Option to Have Line Crossings that are Bridged
 - New Option to Turn On/Off Center-to-Center Line Routing
 - Added Ability to Scroll Diagrams Using Standard Windows Mouse Drivers
 - Improved Symbol Positioning when Dragging Multiple Symbols On Diagram
 - Increased Number of Diagrams that May be Open Simultaneously to 50
 - Drawing Area of a Diagram Increased to 640 X 640 inches
 - Explorer Diagram Improvements
 - Functionality Additions to Enterprise Direction Diagram
 - Group symbol Added to BPMN Business Process Diagram
 - HTML Generator – HTML Output Now Has Hyperlinks to Referenced Documents
 - Added Two New Options for generating SDXs in DoDAF ABM
 - DoDAF ABM Templates Added for SA Information Web



V10.0.22 (November 2004)

SA V10.0.22

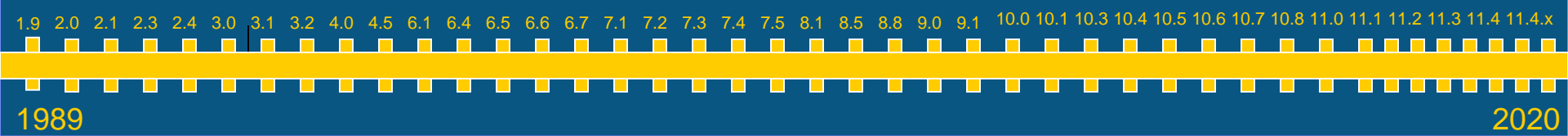
- DB Synchronize for Oracle 9i
- VB .NET Synchronization (previously supported VB 6)
- Reference Props for all Definition Types
- SA Simulator II for BPMN & Process Charts



V10.0.14 (September 2004)

SA V10.0.14

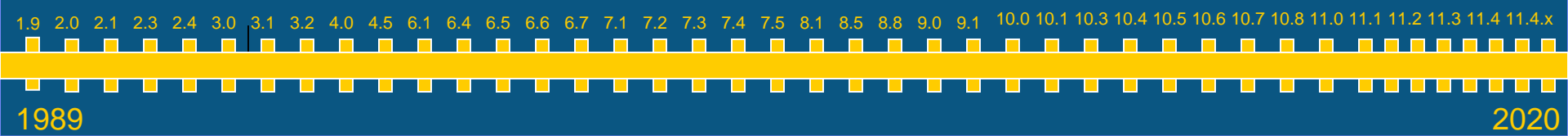
- Enterprise Explorer diagram
- Enterprise Direction diagram
- Access Control
- Guidebook (Generic)
- External Document Reference property
- BPEL for BPMN diagrams
- TOGAF Enterprise
- VBA upgrade to V6.3
- Improved ER-to-OO Mapping
- SA Information Web Publisher
- iRMA – Add-on Supporting Federal Reference Models



V9.1.40 (April 2004)

SA V9.1.40

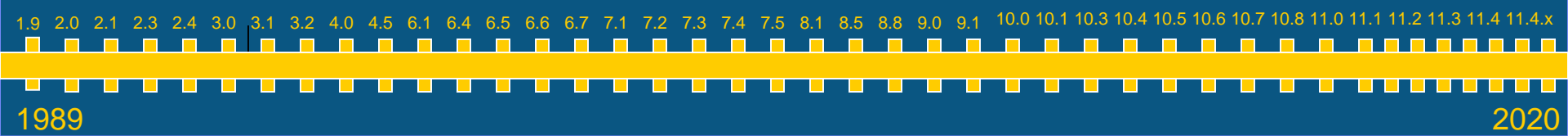
- DoDAF ABM support
- Merge/Extract performance improvements
- SA Info Publisher
 - Performance Improvements
 - Ability to Publish USRPROPS properties
 - Time-Out Version
- SA Compare
 - Performance Improvements
 - Time-Out Version
- Multi-Product Installation Front End



V9.1.23 (January 2004)

SA V9.1.23

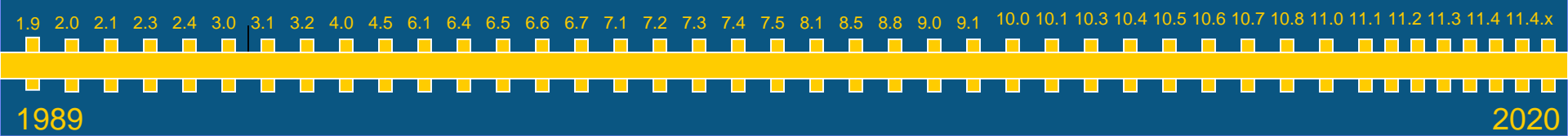
- SA/Publisher inauguration
- SA/Compare inauguration
- XMI Interface



V9.1.18 (January 2004)

SA V9.1.18

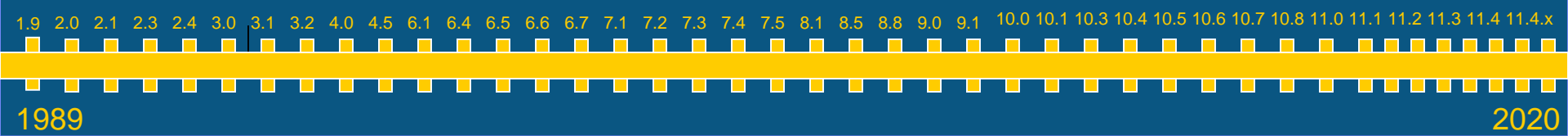
- SA Simulator II Inauguration



V9.1.13 (September 2003)

SA V9.1.13

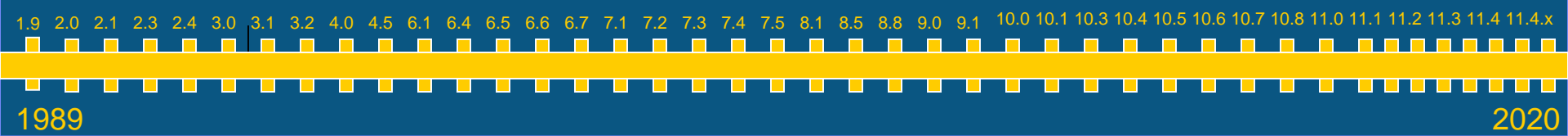
- BPMN diagram support
- Heterogeneous Reference Properites
- HTML Generator Improvements
 - SVG graphic generation
- IDEF0 Drawing Improvements
- Browser Editor - Ability to edit browser tabs
- Auto Recovery of Diagrams
- 'Mona Lisa' Depiction Button
- Mouse-Over Highlighting
- Installation Improvements - New Startup Wizard



V9.0 (December 2002)

SA V9.0.19

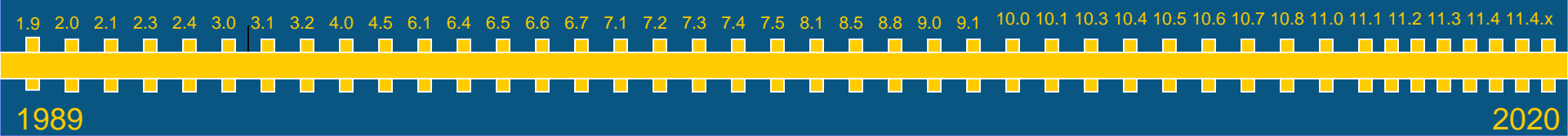
- Improved Scaleability due to change in the underlying repository
- Offers either MSDE or SQL Server 2000
- DB Synchronize for SQL Server 2000
- XMI Interface



Version V8.8.18 (March 2003)

SA V8.8.18

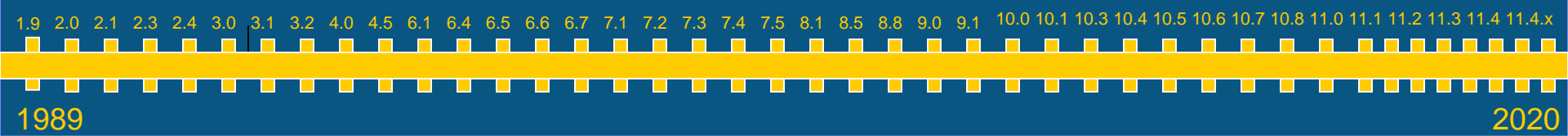
- XMI Interface
- Ability to Lock Ecy During FK Propagation
- Additional User Definition Types to Extend Metamodel (User 101-150)
- Improved Merge/Extract



Version V8.8 (July 2002)

SA V8.8.13

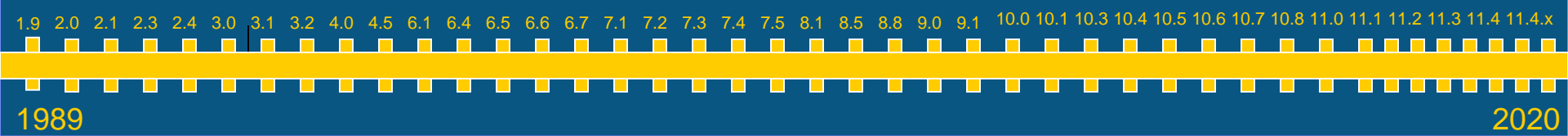
- Improved Reporting System
 - XML with XSL Stylesheets
- Better HTML Publisher
 - Framework Generation
- DB Synchronize™ for Oracle 8
- IDEF Enhancements
- Enhanced Zoom



Version V8.6 (February 2002)

SA V8.6

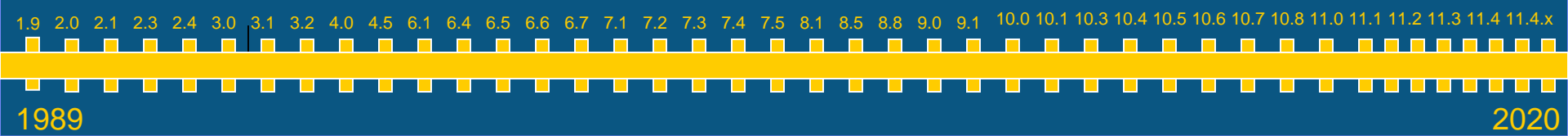
- German Version
- Japanese Version



Version V8.5.24 (February 2002)

SA V8.5.24

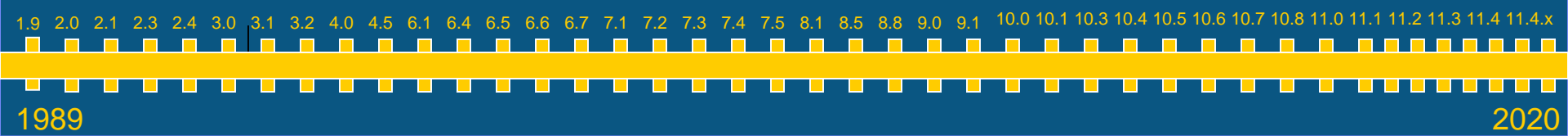
- Framework Manager supporting Zachman and RUP
- C4ISR becomes an optional extra



Version 8.5 (Sep 2001)

SA V8.5.15

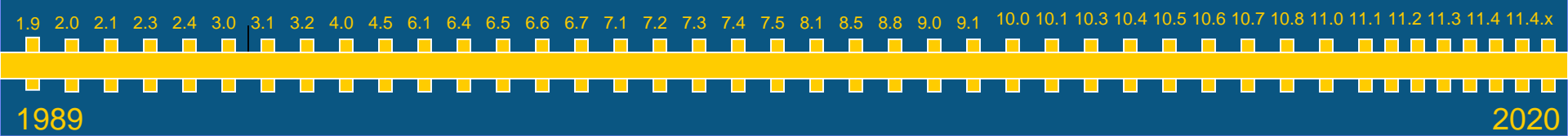
- DB Synchronize™ for SQL Server 7
- XML Design
 - Including Mapping to Data and Class Models
- UML Enhancements
- IDEF1X Data Modeling
- Print Layout Preview
- Improved Matrix Editor
- Improved HTML Generation
- Support for UNC paths throughout the application



Version 8.1 (Mar 2001)

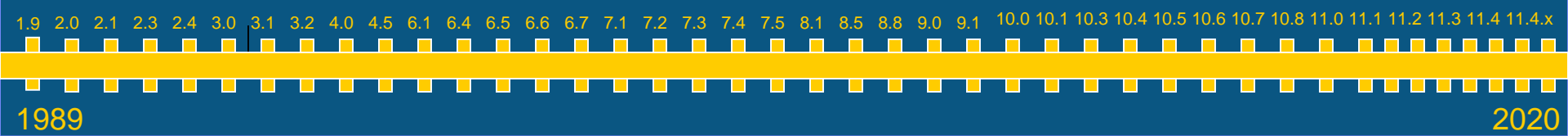
SA V8.1.23

- Enhanced UML Support
 - Representational Consistency introduced for UML
 - Package-based UML Browser tab
 - User-Defined Symbol Presentation Based on Property Value, supporting UML “iconic” stereotypes etc.
- GUIDs introduced



Envision XML (Feb 2001)

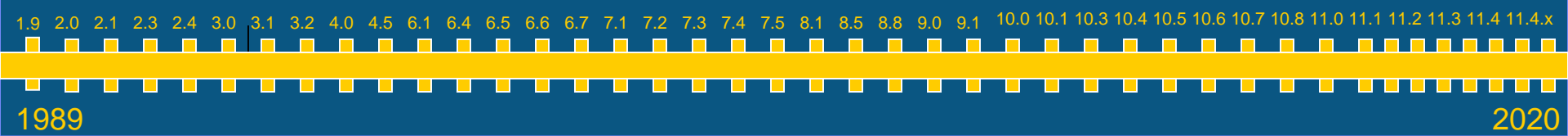
- Graphical Design of XML Schema
- Import and export of BizTalk compatible schema
- Import of DTDs



Version 7.5 (Nov 2000)

SA V7.5.10

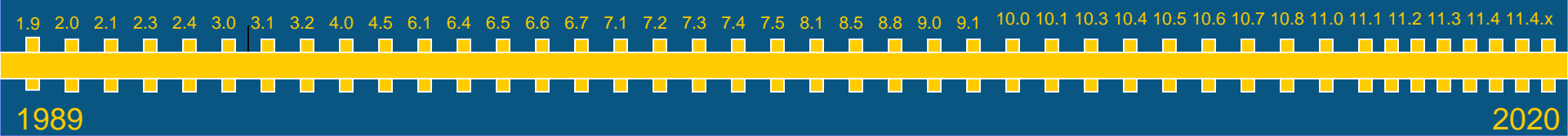
- Includes SA/2001 Simulator
- Simulation of Process Chart and IDEF3 Process Flow diagrams
- Filtering of browser contents using wildcards



Version 7.4 (Aug 2000)

SA V7.4.5

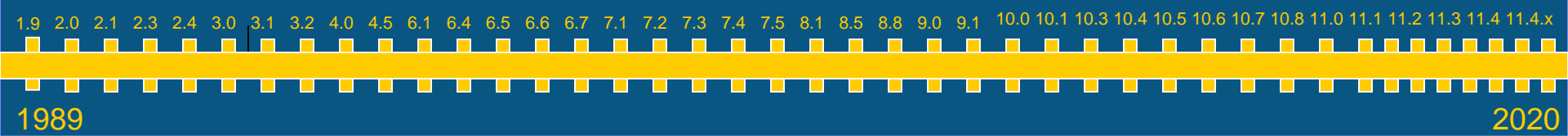
- Expanded metamodel extensibility
- Automatic numbering in hierarchical diagrams
- Selectively show or hide the sub-tree structure
- Improved conversion of logical to physical models



Version 7.3 (July 2000)

SA V7.3.7

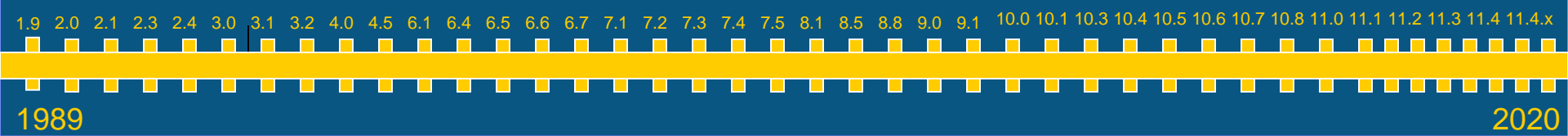
- Improved multi-user capabilities
- Enhanced browser performance
- Enhanced foreign key propagation performance and behaviour



Version 7.2 (May 2000)

SA V7.2.13

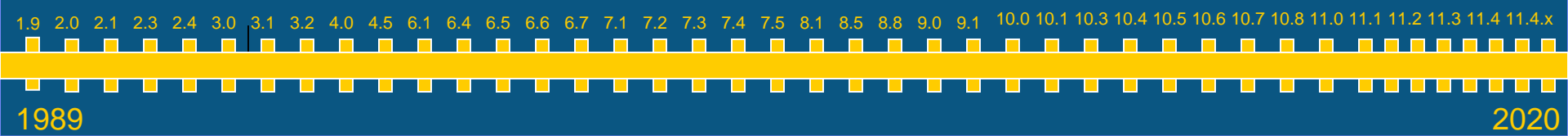
- Import and export of XML documents from browser contents
- Modified many keyboard shortcuts to comply with current industry practice
- Added support for the digital signing of VBA macro projects



Version 7.1 (Jan 2000)

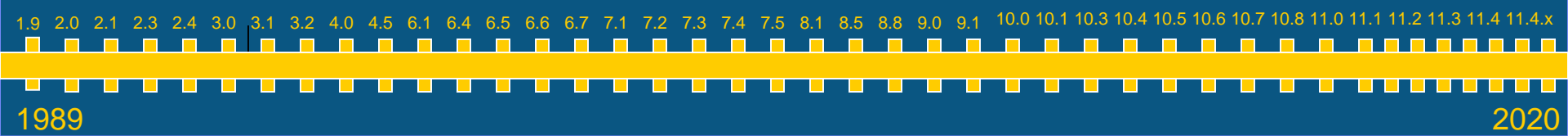
SA V7.1.12

- Round trip of Visual Basic 6
- Bi-directional link between SA/2001 and the Microsoft Repository
- “Referenced by” floating menu item on the browser
- SA/2001 Tip of the Day



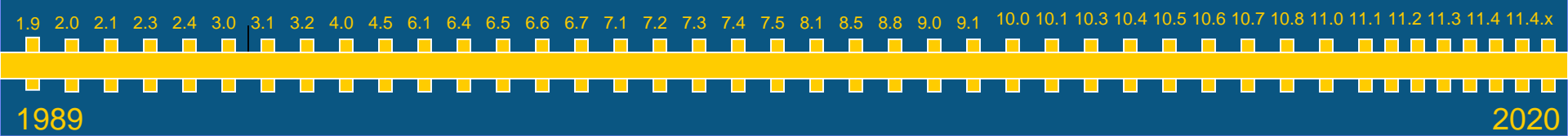
Version 6.1 (July 1999)

- Re-architected System Architect to SA/2001
 - 32 bit version
 - New User Interface
 - VBA
 - Enhanced Drawing



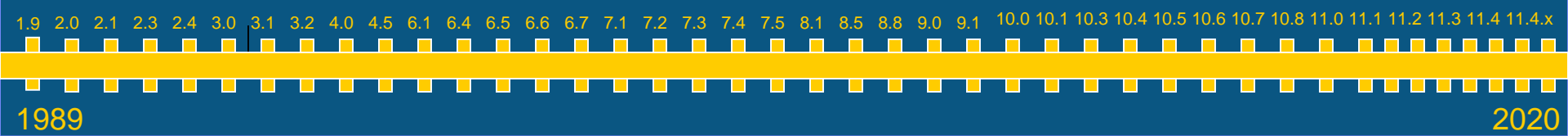
SA/Data Architect

- Version Control – PVCS Link
- New Menu Bars
- Enhanced Browser- dockable
- HTML Generator



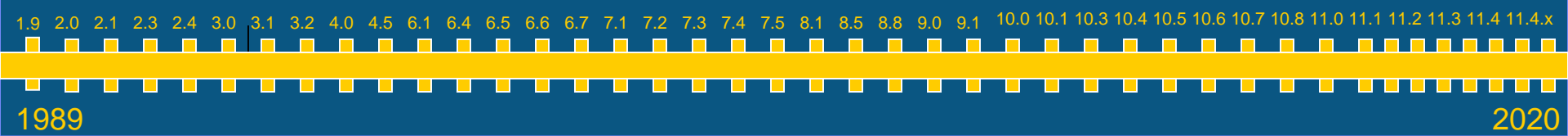
SA/Object Architect

- Version Control – PVCS Link
- New Menu Bars
- UML Support
- Enhanced Browser- dockable
- HTML Generator



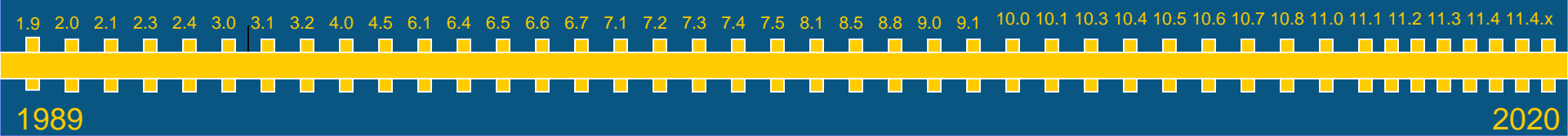
SA/BPR- Professional

- Version Control – PVCS Link
- New Menu Bars
- Enhanced Browser- dockable
- HTML Generator
- IDEF0, 3, 1X
- Schema Gen
- Reverse Data Engineer



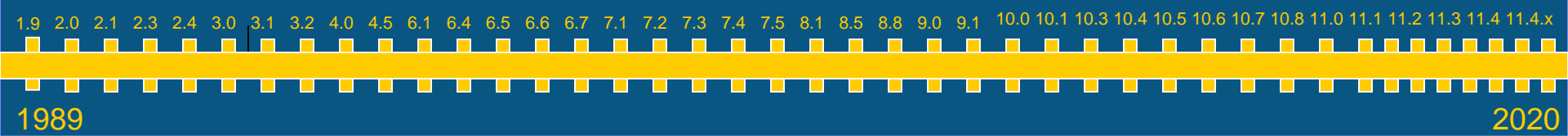
System Architect with add ons

- Structured Analysis and Design
- Data Modeling
- Add ons
 - Schema Generator
 - Reverse Data Engineer
 - Project Documentation Facility
 - Object Oriented



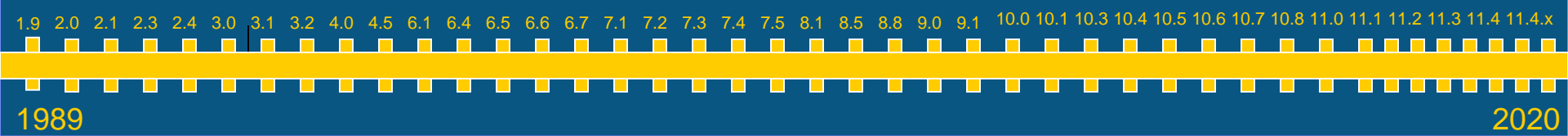
SA/Catalyst (August 1998)

- POLDAT Support
 - Process, Organization, Location, Data, Applications, Technology
 - (Rows 1 and 2 of Zachman)
- Matrix Editor
- Automated Process Decomp Generation
- Process Thread Diagram 'Keying'
- Relationship Map Balancing Function
- Enhanced 'Display Option' capabilities



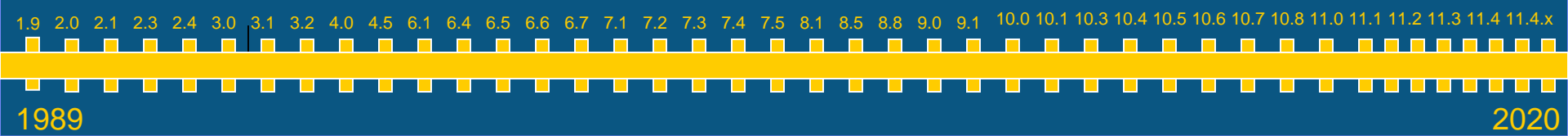
Version 4.5 (July 1998)

- SA/Data Architect
 - New Data Modeling Paradigm
 - Model and Subject Areas Synchronized
 - Automated PK and FK Propagation and Synchronization



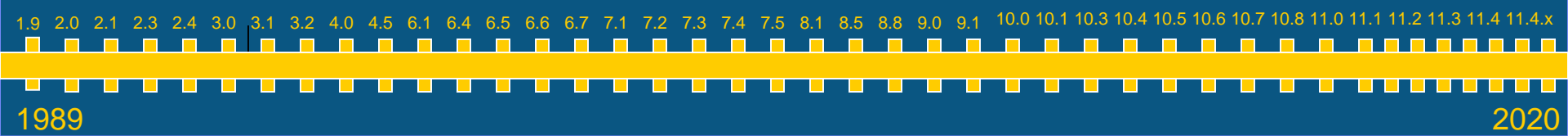
Version 4.0 (August 1996)

- Product was launched as 5 specific versions
 - System Architect (with Add Ons)
 - SA/Object Architect
 - SA/Data Architect
 - SA/BPR
 - SA/BPR Professional



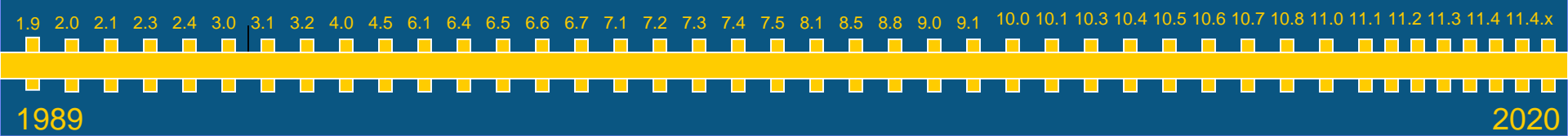
Version 3.2 (March 1996)

- SA/BPR Professional
 - IDEF0
 - IDEF3
 - IDEF1X
 - Schema Generator
 - Reverse Data Engineer
 - IDL Export



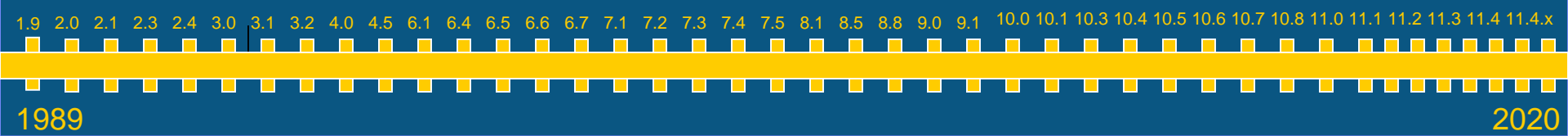
Version 3.1 (March 1996)

- User Interface
 - Spell Checking
 - Undo
 - Displayable Properties
- Code Generation (Smalltalk, VB, C++, Script based)
- ER to OO Generation
- Logical/Physical Separation of Data Modeling
- Word Reporting
- PVCS Version Control
- Shlaer/Mellor Support
- Use Case Diagrams
- GUI Report Writer
- Screen Painter (Prototyping and VB Generation)



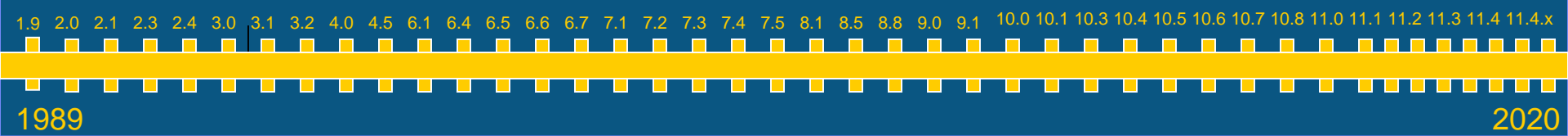
Version 3.0 (October 1994)

- Auto-Decomposition Diagram
- IDEF0 Activity Based Costing
- Trigger Editor
- Automatic Orthogonal Lines
- SA Security (SA Bindery)
- GUI Tools
 - Auto Resizing of Symbols
 - Browse
 - Auto Scrolling
 - Drag and Drop
 - Multiple Select



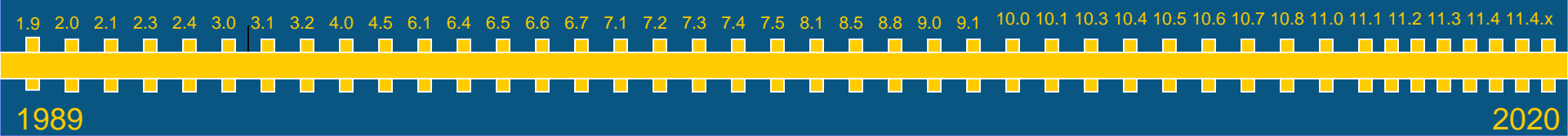
Version 2.4

- Ships with OO Support for:
OMT/ Rumbaugh



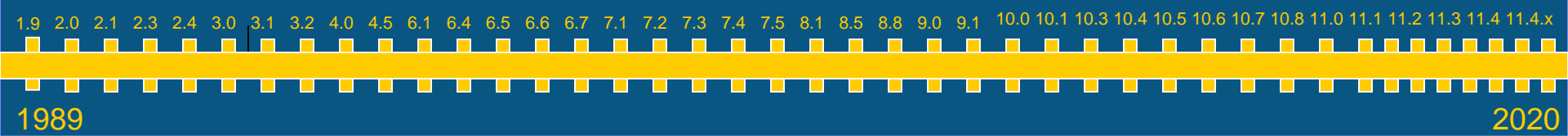
Version 2.3

- Auto Line Drawing
- Enhanced Aesthetics
- Modified Windows User Interface



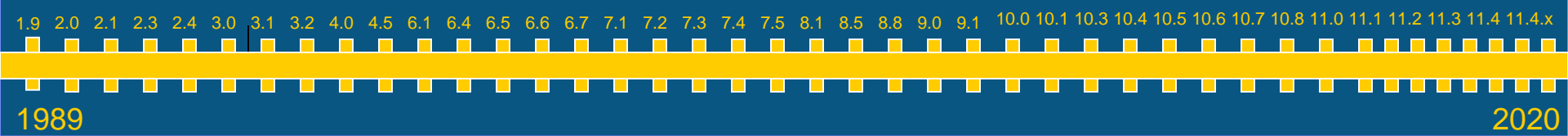
Version 2.1

- Ships with OO support for
 - Booch 94
 - Coad/Yourdon
- Reverse Data Engineer



Version 2.0

- Project Documentation Facility
- Schema Generator
- Network Version



Version 1.9 (September 1989)

- Windows Based
- Dataflow Diagrams
 - Yourdon
 - Gane & Sarson
- Entity Relation Diagram
- Ward & Mellor
 - Dataflow
 - Structure Chart
 - State Transition Diagram
- Reporting