Agenda

– What have we done since the last IBUC
– What are we working on right now
– What are we going to work on in the (near) future
What have we done since the last IBUC

– New release every three months
– Involvement in Blaise 5 projects
  - Statistics Netherlands
  - Cyprus
  - United Kingdom (ONS)
  - University of Michigan
  - US Census Bureau
– New Features
New Features

- Language Enhancements
  - Alien procedures
  - Text roles
  - Check section
  - Rich Text Fills
New Features

- Layout
  - New Controls
    • Section templates
    • Lookup Textbox
    • Enumeration Textbox
    • Number Slider
    • Page-level Error Texts
    • LanguageSelector, ParallelTabs and IndexControl alternatives
  - New Properties
    • CornerRadius for buttons and panels
    • Watermark for input controls
    • Tooltips for all controls
    • Tables, shapes and buttons in question texts
  - New Functionality
    • Automatically apply group templates
    • Runtime fonts
    • Page breaks for table groups
    • Layout API
New Features

- Behaviour
  - Clickable Category Texts
  - OnLoad event for page templates
  - Consistent action behaviour (URI or list of actions)
  - Conditional actions
  - General template parameters
  - ScreenReaderText for all controls
  - AutoEnter property for input controls
  - OnValueChanged event for input controls
New Features

– Data
  - In-Depth & Flat-Blocks data partition types
  - Record Locking
New Features

- Server Manager
  - Server Manager API
  - Creation of pages can be postponed until installation of a package
New Features

- Runtime
  - Audit Trail
  - Session Role
  - Server Variables
  - Change communication protocols that the services use
New Features

- Control Centre
  - Bookmarks
  - Warnings in green squiggly lines
  - Instrument Builder supports creating packages
New Features

- Data Entry Clients
  - Section 508 compliancy
  - Client-side rules
  - Alien routers (Data Entry API)
  - iOS App
  - Android App
Customization of Data Entry Program

– Blaise 4
– Design Considerations
– Blaise 5
– Demo
– Alien Routers:
  - Specified in Blaise Datamodel.
  - Triggered by navigating in DEP.
  - Executed by DEP.
  - Windows platform only.
Design Considerations

– Multi platform: custom code per platform
– Enhance flexibility:
  - No specification in Datamodel
  - Not controlled by standard DEP
– Data Entry API:
  - Basis for building your own custom DEP
  - Several levels of customization
  - Supported platforms: Asp.Net, Windows
Data Entry API

- Executes actions
- Updates Interview State and Session Data
- Fires Events
Levels of Customization

- Modify standard controls:
  - Set non-standard properties
  - Modify URI: refer to Medium from Resource Database

- Specify custom Actions:
  - Triggered by Data Entry API
  - Executed by Custom Application

- Create custom controls:
  - Control Definition
  - Related Data Object (i.e. Data Field, Category)
Demo

- Balls and Bins:
  - Multiple related Custom ASP Controls
  - Additional general Custom JavaScript:
    • Parameters depend on actual questions
- Custom Windows DEP:
  - General Menu Part (depends on actual questions):
    • Set Special Answers (Don’t Know, Refusal)
    • Edit small numerical range Field
  - End of Questionnaire Event
Facilities for Customization

– Resource **Editor**:  
  - Extend Control with:  
    • Custom Properties  
    • Custom Actions

– Control **Centre**:  
  - Specify custom package for Web Application

– Server Manager:  
  - Install custom Web Application
Current Status

- Not complete yet:
  - Some controls cannot be customized
  - Some properties/objects are not implemented

- Possible extensions:
  - More events
  - Support whole custom Page
What are we working on right now

– Printing questionnaires
– Manipula
– Explorer window
– Performance enhancements
– Server Manager extensions
What are we going to work on

– Server Side events
– Keystroke management
– Audio & Video Support
– Mode Specific Attributes
– Multi Mode Case Management (basic functionality)
– CATI
– MVC ASP.NET client
– CARI
– Field properties
– Menu
– Layout language