

Empower 2 Anticipated Functionality List

2/16/2005

General
OS Platforms: Personal workstations, Clients & LAC/E32s = Windows 2000 Professional & Windows XP Professional Database Server = Windows 2000 Server, Windows 2000 Advanced Server, Windows 2003 Server Citrix = Windows 2000 Server & Windows 2003 Server
The standard computer for the Personal platform, Workgroup Secondary PC, Workgroup/Enterprise Client, or LAC/E32 is the following: Intel Pentium IV 1.7 GHz CPU with 512 MB of RAM, a minimum of 5 GB available hard drive space, sVGA video at 1024x768x16 bit color resolution, 1.44MB floppy, access to a DVD drive.
The standard computer for a Workgroup Primary PC is the following: Intel Pentium III, 1 GHz CPU with 1 GB of RAM, 1024x768x16 Bit color resolution, 2 Hard Drives, 10/100 NIC, optional tape backup unit, and access to a DVD drive.
The standard computer for an Enterprise Server running Windows 2000 Server or Windows 2000 Advanced Server is the following: Intel Pentium III, 1.2 GHz CPU with 1 GB RAM, 1024x768x16 Bit color resolution, 4 Hard Drives, 10/100 NIC, optional tape backup unit, and access to a DVD drive.
The standard computer for an Enterprise Server running Windows 2003 Server is the following: Intel Pentium IV, 1.2 GHz MHz CPU with 1 GB RAM, 1024x768x16 Bit color, 4 Hard Drives, 10/100 NIC, optional tape backup unit, and access to a DVD drive.
Closer Integration with NuGenesis SDMS: > Manual project push > Archive when projects are deleted > Archive EMF of report after sign-off
Push Installs: Using group policies (internal functionality of Windows) - Note: post release functionality
Export/Import of Systems Objects: Allow the transfer of information about Empower Nodes, Systems Users, User Groups, User Types, System Audit Trail, Project Archives and Sample Archive, System Policies, View filters
Check and Record Project Integrity: Provide additional level of confidence that the information believed to be contained in the project may be reliably and completely retrieved. Checksums of the *.EXP, *.INF files will be produced upon project backup and verified upon restore. Will also ensure that for each Channel ID given, a raw data file exists and can be read and it's checksum is OK.
Email Messages from the Message Center: > Specify category & type of messages to e-mail > Configure single client as mail server > Also will reduce requirements for batch "export & e-mail"
Allow a User to Have Multiple Roles
Allow entry of serial # during install of option disks
Ability to Export System Object Information, including: > Users (incl: user type, interfaces, user groups) > User Groups (incl: members, access to projects & systems) > User Types (incl: privileges) > Systems (incl: instrument info, access) > Acquisition Servers (incl: instrument info, serial ports, access)
Message Center: Settings will be centrally stored.
Review
Right Click Addition of Integration Events
Un-Do Last Integrate
Additional Data Rejection fields based on Max Peak Width and/or Max Peak Height
Allow Custom Field to be used as X-axis value in Calibration Curve
New calibration field of "Line RSD": The new LC calibration curve field RSD(E) is an indication of how close the calibration points come to the curve (the precision of the data)

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New calibration field of Normalized Intercept Slope Ratio
ApexTrack: New Tangential Skim Event
ApexTrack: Improved Gaussian skims--skimming should occur more frequently
MS: Add smoothing to processing method
MS: Allow MS Blank Subtraction
MS: Automate Definition of Internal Standards
MS: Extract both UV & MS Spectra from contour plot
MS: Store Tune File in Database
MS: Summing Channels – extract multiple masses into single channel
PDA & MS: Spectrum Review window will default to stack plot mode
PDA: Allow Non-Contiguous MaxPlot
PDA: Better Default for Channel Name of Extracted Chans
PDA: Save last 20 user selected Extracted Wavelengths
Zeroed Baseline Display: Ability to show each plot as a baseline corrected display. Provides an excellent way to show 'real' peak shapes for unresolved peaks and the ability to view the peak shapes unaffected by either sloping or curved baselines.
Make smoothing part of processing method – not part of derived channel
Summing Channels – extract multiple masses into single channel
Calculate European Pharmacopeia Signal to Noise
Calculate Signal To Noise (generic calculation where user can choose which type of Noise to use in calculation)
Compliance
Add Time Zone to All Date Fields: In network environment & with the system policy enabled, each client & LAC/E32 will have a time zone assigned. Whenever data is acquired/processed/reported, the time stamp will include the designated time zone
Project Audit Trail: Additional prompts for requiring comments > Starting Sample Set > Altering Running Sample Set > Aborting Sample Set > Starting Batch Processing
Audit Trail of System Objects: Allow for Silent, Restricted or Unrestricted Comments
Audit Trail of Project Objects: Allow for Restricted or Unrestricted Comments
Re-authentication on changes to objects
Database ID added to System Audit Trail entries
Database ID added to Project Audit Trail entries
Database field for loaded service packs - saved with results
Custom Fields can be locked & unlocked (includes privileges)
Application timeout will not apply to Pro Login window
Shallow copy of methods between FAT
Restrict viewable columns in Review
Restrict access to Calibrate & Quantitate functions
Modify "Modify Report Scaling Only" Privilege
System policy: sign off 1 user cannot be the same as sign off 2 user
Add Privilege for Review Manual Result Saving
Custom Fields
Enumerated field as user defined or as actual field value
Calibration curve fields in formula calculations
Summary calculations (like %RSD) work with System Suitability i.e. limits, stop on fault.
Specify calculation based on peak type
Allow user entry for enumerated/boolean custom fields

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Instrument Control & Data Acquisition
Ethernet support for Alliance systems and UV detectors > Alliance Systems: 2695, 2695D, 2795 > Detectors: 2487 UV, 2996 PDA
Optional "logic" when inserting vials into Sample Set: Can force sequential vial numbering
New Function: Pause Sample Set
Display Pressure in Selected Units: PSI, Bar, Kpa
Time Calculator: Shows time remaining for... > Sample Set being created > Current Running Sample Set > Current Running Sample Set + Queued Sample Sets
Solvent Calculator: Shows amount of solvent required for... > Sample Set being created > Current Running Sample Set > Current Running Sample Set + Queued Sample Sets
QuickStart
Ability to Edit Report Methods
Change Behavior of View Data Button: > Sample Set, Injection, Channel = Review > Result Set, Result = Preview
Develop Methods button added to "View Acquisition" and Single Inject dialog box
Report Publisher
Label Peaks with Numbers and Legend
Scale Report as Percentage of Paper Size
Dissolution: Choice for data summarized in table
Dissolution: Allow Custom Y-Axis value for plot