ramco
Aviation Solutions

Enhancement Notification
Release 5.3 - Maintenance

14th June 2010

Business Process

- Technical Records
- Maintenance Program
- Maintenance Planning
- Maintenance Execution
- Engineering Change Management
- Reliability
- Sales Management

Technical Records

Configuration Management

- Configuration
  - Business Need
    - Facility for inheritance of the configuration rules from model configuration to aircraft configuration even after activation of aircraft configuration
  - Change Details
    - Activity: Edit Position Attributes
      - Position attributes get inherited for existing positions without revising the configuration if ‘Inheritance’ option is identified for the Model configuration.
    - Activity: Approve Aircraft and Model Configuration
      - Position attributes get inherited for new as well as existing positions, on approval of new revision

Configuration Management

- Part Effectivity
  - Business Need
    - Ability to restrict MR generation for parts that are not applicable to NHA .
    - Ability to stop issue of parts that are not applicable
    - Simplify configuration rules definition
  - Existing Functionality (Prior to release)
    - MR & Issue can be generated on any part
    - Issue validates only global alternates
    - No ability to control issue based on configuration rules
    - Administering of configuration rules is tedious
      - Rules can be administered only at aircraft and position level
      - Non-components cannot be identified

Configuration Management

- Part Effectivity
  - Change Details
    - Ability to define part effectivity
      - Aircraft Model
      - Aircraft Reg.#
      - NHA Part#
      - NHA Serial#
    - Ability to control part requisition through Set Options
    - Ability to control configuration control at each aircraft level & NHA Part level
      - Part effectivity
      - Configuration rules

Configuration Management-Part Effectivity

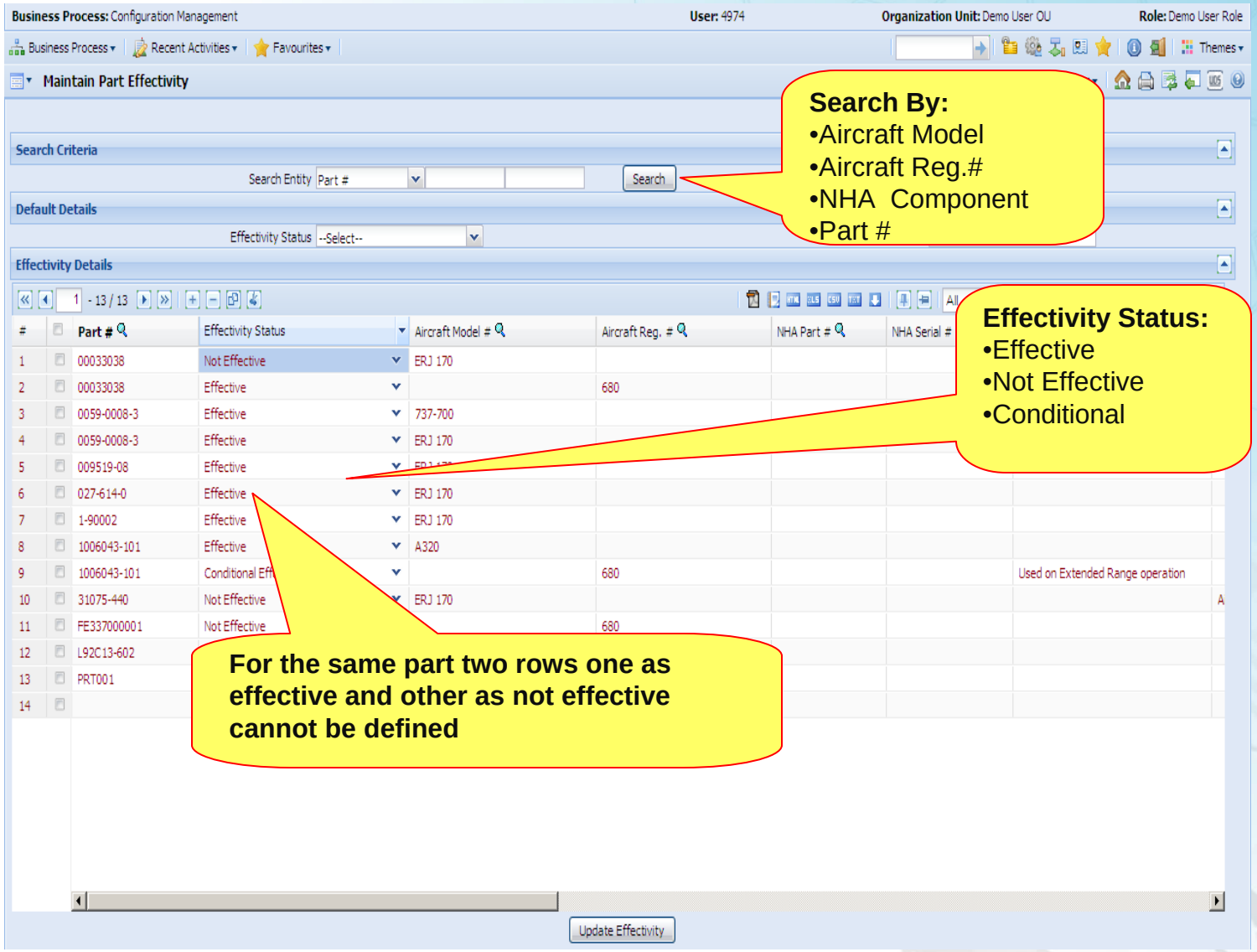


Fig: Illustrates the new screen 'Maintain Part Effectivity' added in Aircraft business component

Configuration Management-Part Effectivity

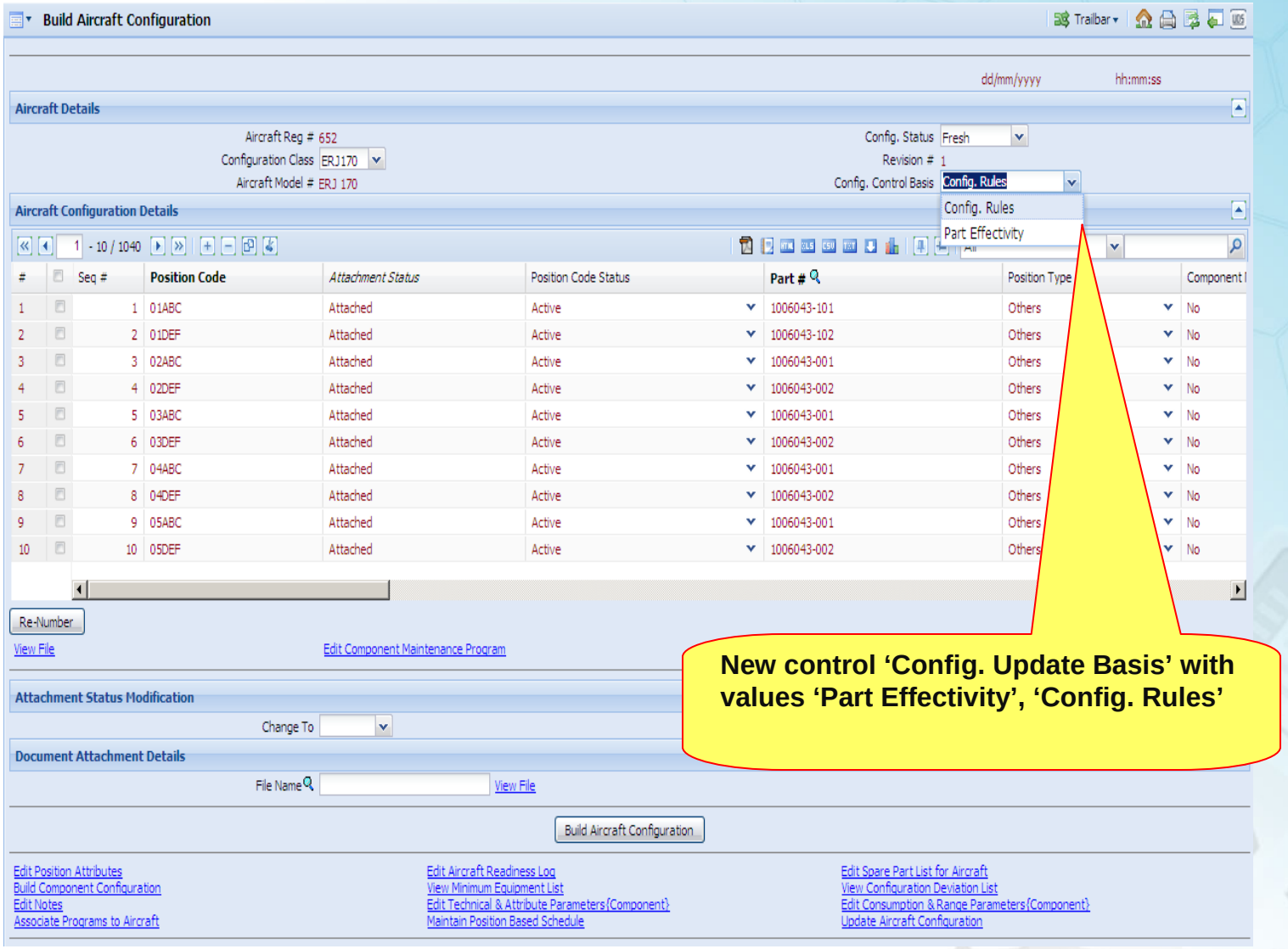


Fig: Illustrates the ability to control configuration at each aircraft level

Part Effectivity – Configuration Control

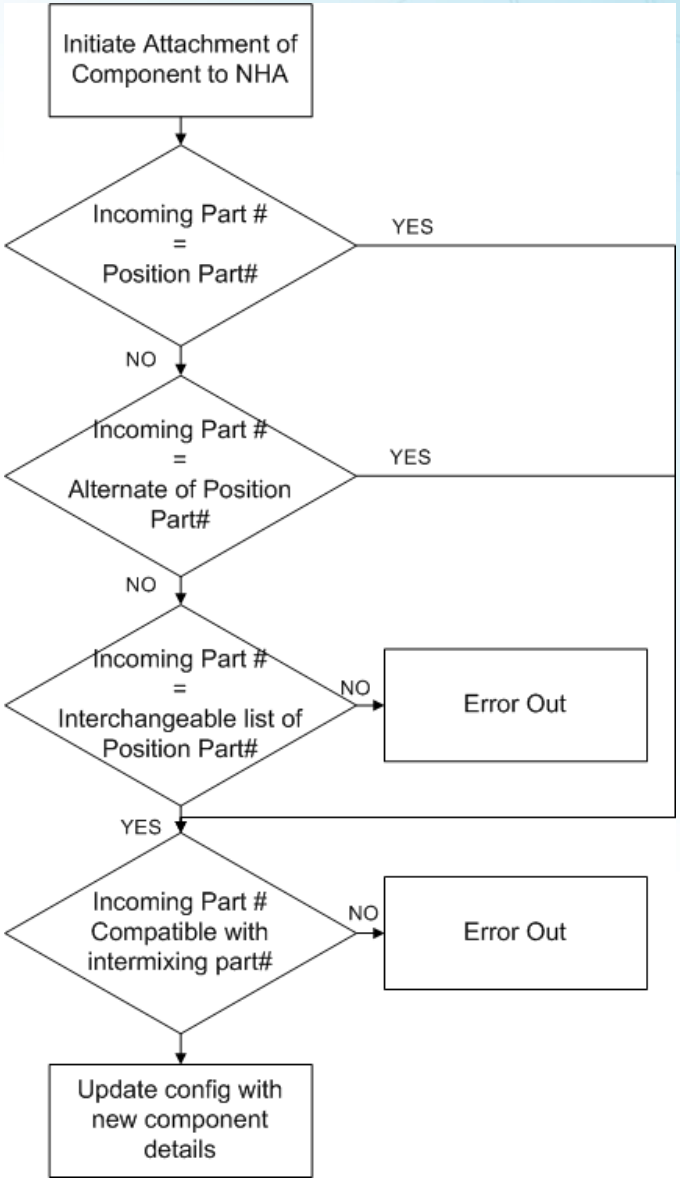


Fig: Flow chart illustrates the existing configuration control validations while doing component replacement

Part Effectivity – Configuration Control

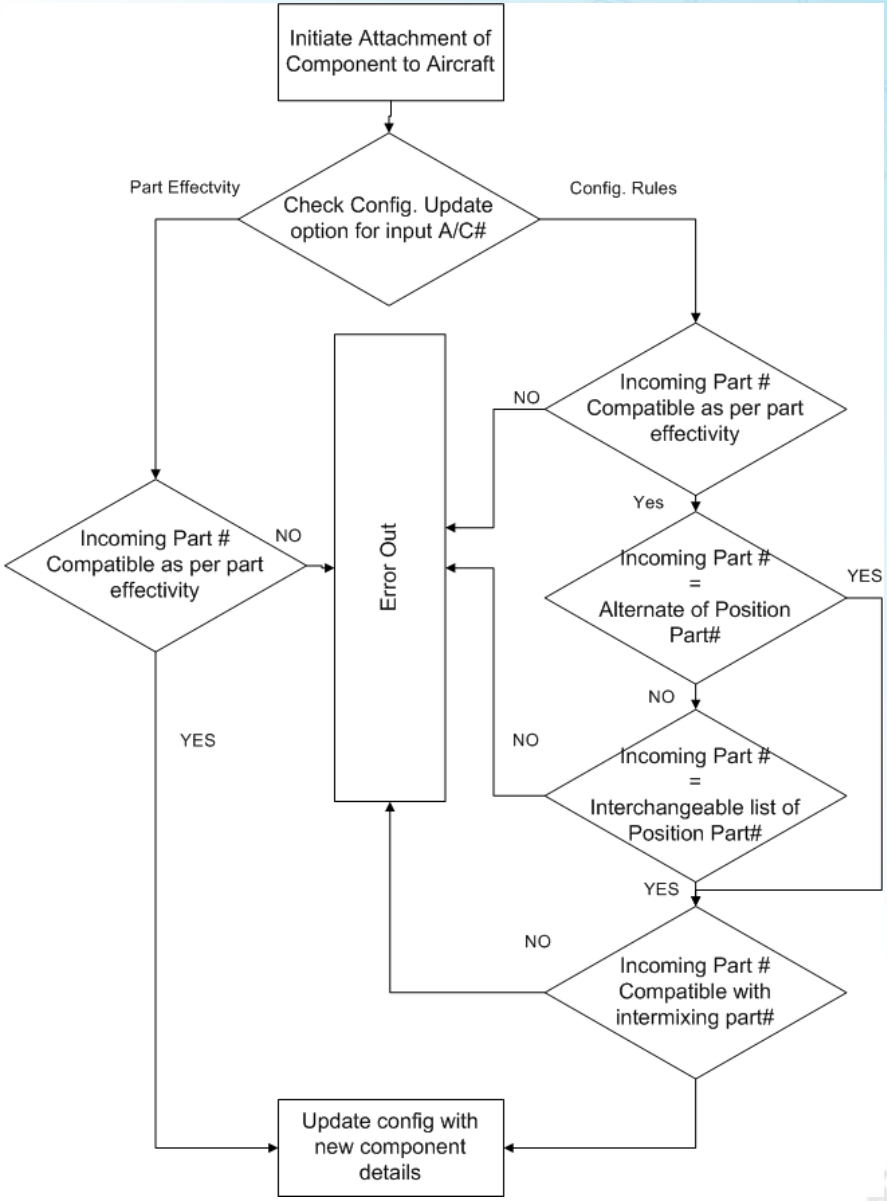


Fig: Flow chart illustrates new configuration control validations while doing component replacement

Configuration Management-Part Effectivity

- Configuration control option behavior matrix

Option Set / Master Entity	A/C Config. Control Basis		Remarks
	Part Effectivity Based	Config. Rules Based	
Part Effectivity Definition	Required	Required	• If no effectivity provided, system would assume as effective. • Effective rules established through inclusion or exclusion rule but not both.
Alternate Part Definition	Not Required	Required	• Alternate definition manages inventory disbursals
Config. Rules •Interchangeable •Intermixing •Permitted Serial#	Not Required	Required	• Alternate is not mandatory. • Highest degree of control. • System will check interchangeability by taking a union of both alternate parts & config rules

Configuration Management-Part Effectivity

- Part Effectivity validation performed in the following screens
  - Build Model Configuration
  - Build Part Configuration
  - Build Aircraft Configuration
  - Build Component Configuration
  - Edit Aircraft Readiness Log
  - Edit Component Replacement in A/C Maintenance Execution
  - Edit Component Replacement in Component Work Reporting
  - Create / Edit Component Replacements
  - Bulk Component Replacements

Configuration Management-Part Effectivity

- Part Effectivity not validated in
  - Task Part Requirements
  - Inheritance of model configuration during creation of Aircraft record
  - Approval of Model Configuration
  - Approval of Aircraft Configuration
  - Approval of Part Configuration
  - Approval of Component Configuration
  - Component Replacement in Hangar Maintenance business process

Configuration Management-Part Effectivity

- Part Effectivity
  - Other Change Details
    - Configuration Control Basis captured at each part level as part of Maintenance Information for Part
      - Used during replacements component work reporting
    - No separate view screen is provided
    - Effectivity information can be seen from ‘View Maintenance Info. for Part’ screen

Configuration Management-Part Effectivity

- Master Data Collection Template
  - – Part Maintenance Data Collection template modified with the following controls
    - Config Control Basis
    - ETOPS
    - Lower Landing Minimum
    - SOS Applicability
    - Default Exec.Doc for Int.Repair Routing
    - Model Effectivity details removed
  - – MDCF File

    Trn-Bsg-BasPartAdmn-Maintain Maintenance Info-MDCF-Auto.xls

Part Effectivity – Stock Maintenance Impact

- Change Details
  - Stock Maintenance
    - Set Option
      - Enforce Part Effectivity Check
  - Request Type
    - Normal
    - Conditional Requisition
    - Force Requisition
  - Validated in
    - All screens where material request (MR) is generated
    - Auto MRs, where only effective parts are processed
    - Alternate parts, which are pegged based on part effectivity
    - Maintenance issues, where issue of wrong alternate is controlled

Part Effectivity-Validation Criteria

Input	Data Condition				Output
	Same as Input		Different from Input		
	Entity	Effectivity Status	Entity	Effectivity Status	
Model	Model	Effective			No Error
	Model	Not Effective			Error
			Model	Effective	Error
			Model	Not Effective	No Error
	Blank				No Error
Aircraft	Model	Effective			No Error
	Model	Not Effective			Error
			Model	Effective	Error
			Model	Not Effective	No Error
	Aircraft	Effective			No Error
	Aircraft	Not Effective			Error
			Aircraft	Effective	Error
			Aircraft	Not Effective	No Error
	Blank				No Error

Part Effectivity – Data Definition

- Complete exclusion list or inclusion list to be defined at each entity level
  - If N631AB is effective: For all other aircraft, across model, system would deem as not effective
- Conditional Effective is treated at par with Effective check
  - If N631AB is conditionally effective: For all other aircraft, system would deem as not effective
- Parent Not Effective & Child Effective is an invalid definition
- Parent Not Effective & Child Not Effective is also an invalid definition

Configuration Management

- Parameter Value Updates
  - Business Need
    - Facility to initialize / update parameter values for multiple maintenance objects
    - Facility to initialize / update parameter for complete assembly
    - Reduce data entry mistake while selecting ‘Parameter Inheritance’
  - Existing Functionality (prior to this release)
    - Initialization / update can be done only for one maintenance object
    - User has to select whether the parameter value needs to be inherited or not.

Configuration – Parameter Value Update

- Change Details
  - Facility for Initialize / update parameter values for an assembly
    - Search by
      - Maintenance Object
      - Parameter Type
    - Parameter Code

Maintenance Object	Search Result
Aircraft Reg #	Use this option to retrieve the parameters mapped to the Aircraft
Component #	Use this option to retrieve the parameters mapped to the Component
Part # / Serial #	Use this option to retrieve the parameters mapped to the Part # / Serial #
Aircraft Model #	Use this option to retrieve the aircrafts and its mapped parameters associated to the Model
Att. Aircraft Reg #	Use this option to retrieve the components and its mapped parameters associated to the Aircraft. Also retrieves parameters mapped to aircraft
Att. Component #	Use this option to retrieve the sub-components and its mapped parameters associated to the NHA. Also use to retrieve parameters mapped to NHA

Configuration – Parameter Value Update

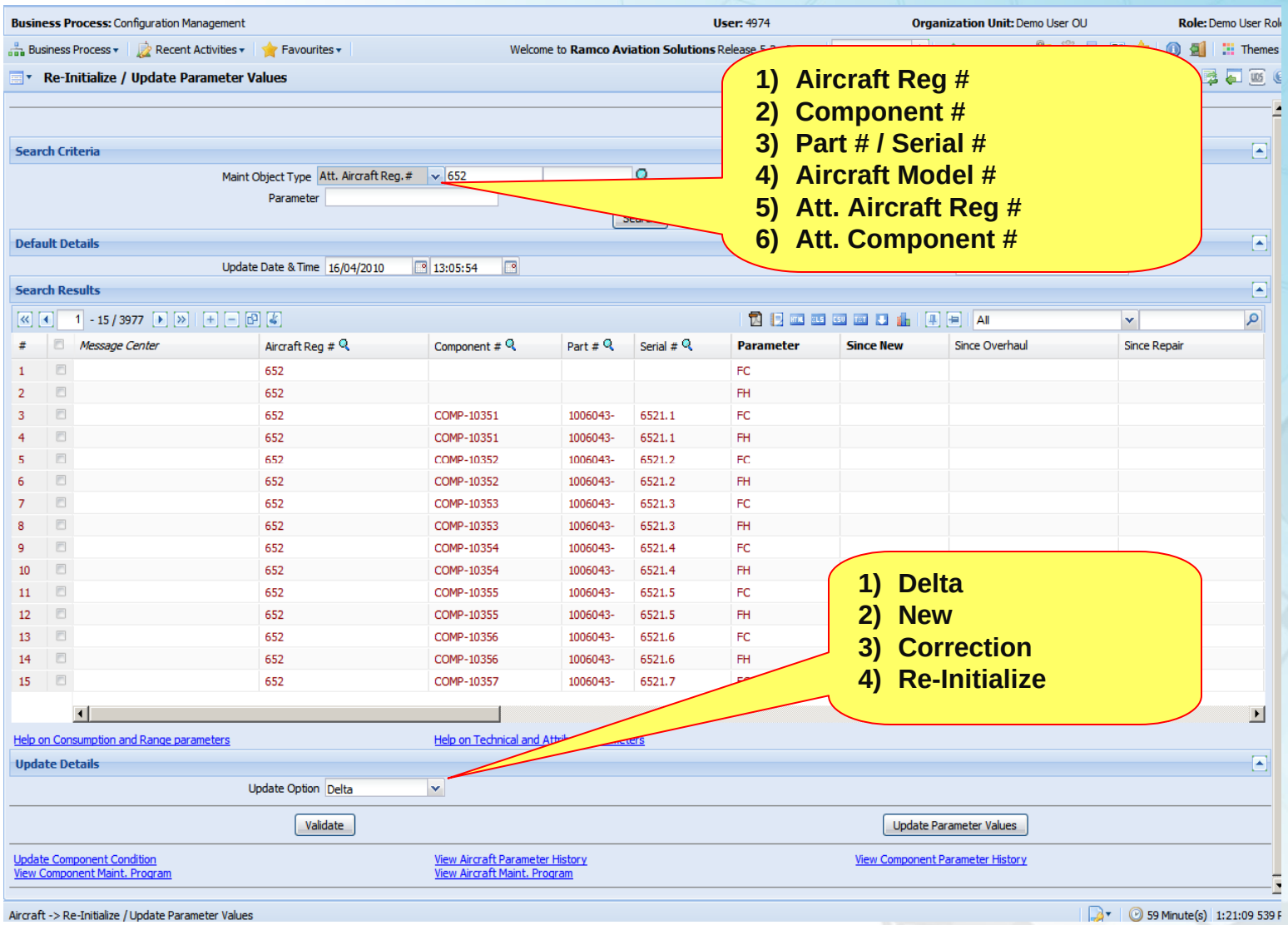


Fig: Illustrates the ability Re-initialize & Update Parameter Values for an assembly

Configuration – Parameter Value Update

- Facility for Initialize / Correct parameter values for an entire Aircraft / NHA (contd..)
  - Validate button to validate the data inconsistency provided in the grid
  - Update Mode drives the parameter update inheritance to the maintenance objects

Update Mode	Result
Delta	Use this option to increment the parameter values. Inheritance to attached components happens.
New	Use this option to reset the parameter values. Positive increment will be inherited to the attached components. Don't use this option if sub-components are listed in the grid and selected for parameter update.
Correction	Use this option to reset the parameter values. Inheritance of parameter values to attached components will not happen.
Re-Initialize	Use this option to initialize the values for the parameter. Inheritance of parameter values to attached components will not happen.

Configuration – Parameter Value Update

- Facility to perform parameter update for Goods Inward function
  - Re-Initialize / Update parameter values
    - Ref Doc Type & Ref Doc #
  - Retrieve part-serial available in Reference document
  - Parameter Update option
    - Goods Receipt
      - New Components → Re-initialize
      - Existing Components → Correction Mode
    - Repair Receipt
      - New Components → Re-initialize
      - Existing Components → Correction Mode

Configuration – Parameter Value Update

- Facility to perform parameter update for Goods Inward function (Contd..)
  - Retrieval will consider value already updated for the Reference Document
  - Goods Receipts that are moved will not be available for initialization with document as a reference

Configuration – Parameter Value Update

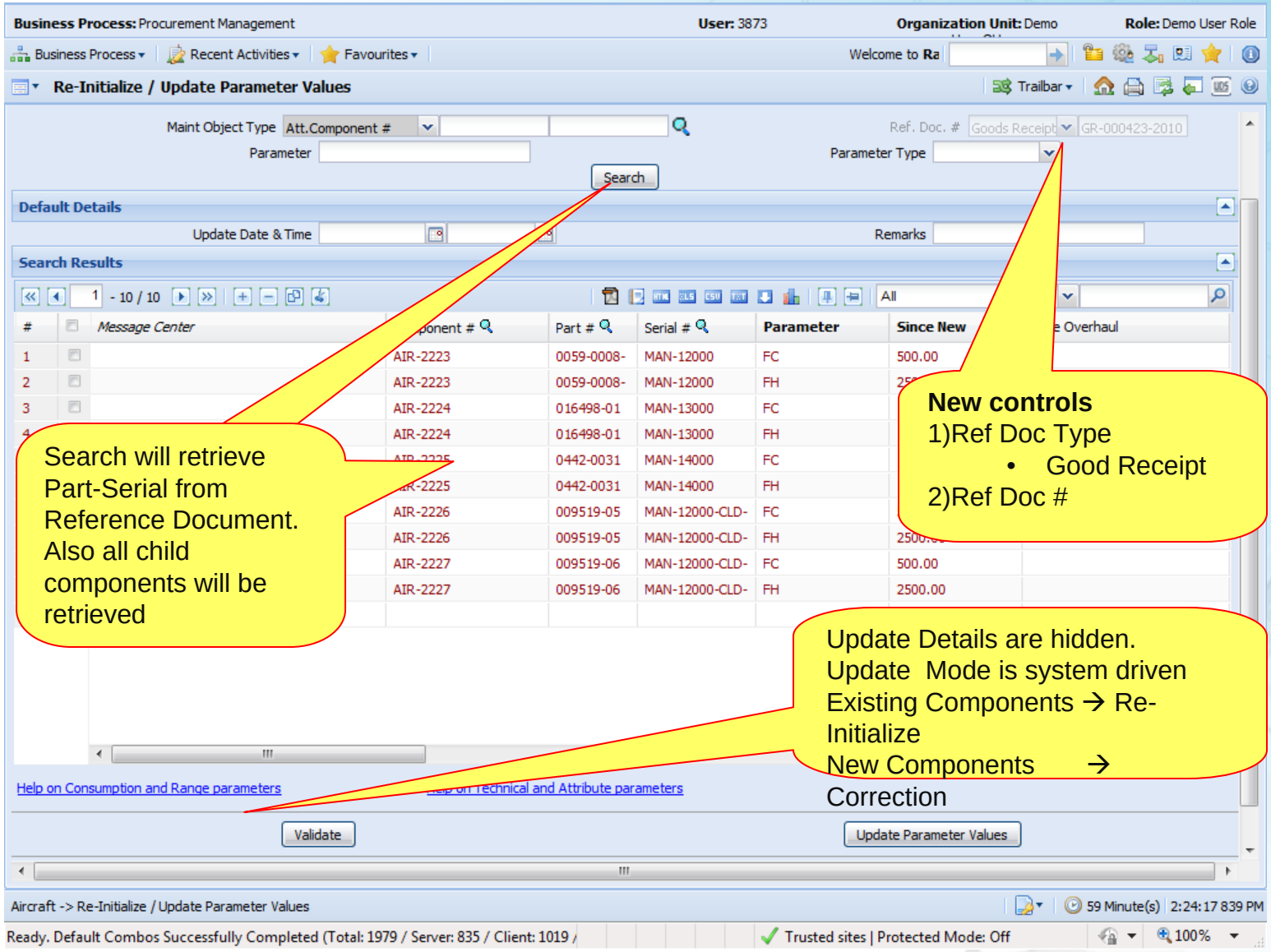


Fig: Illustrates the ability Re-initialize & Update Parameter Values for an assembly received through Goods Receipt

Configuration Management

- Technical Records Dashboard
  - Business Need
    - Provide a snapshot of all exceptions in the technical records associated to a given aircraft
    - Expected to be used by technical records clerk / engineers

Configuration Management-Tech Records Dashboard

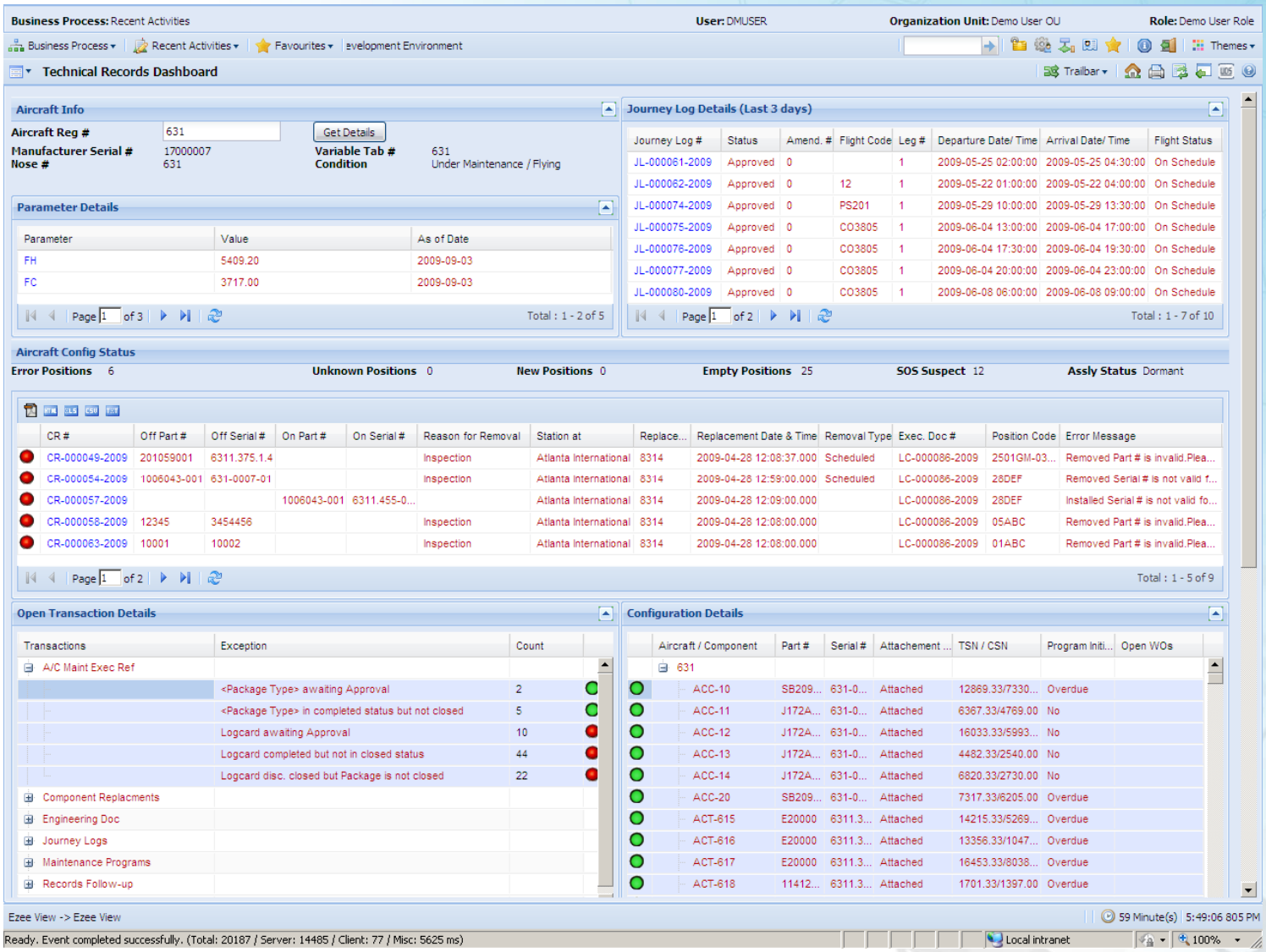


Fig: Illustrates the info displayed in technical records dashboard screen

Configuration Management-Tech Records Dashboard

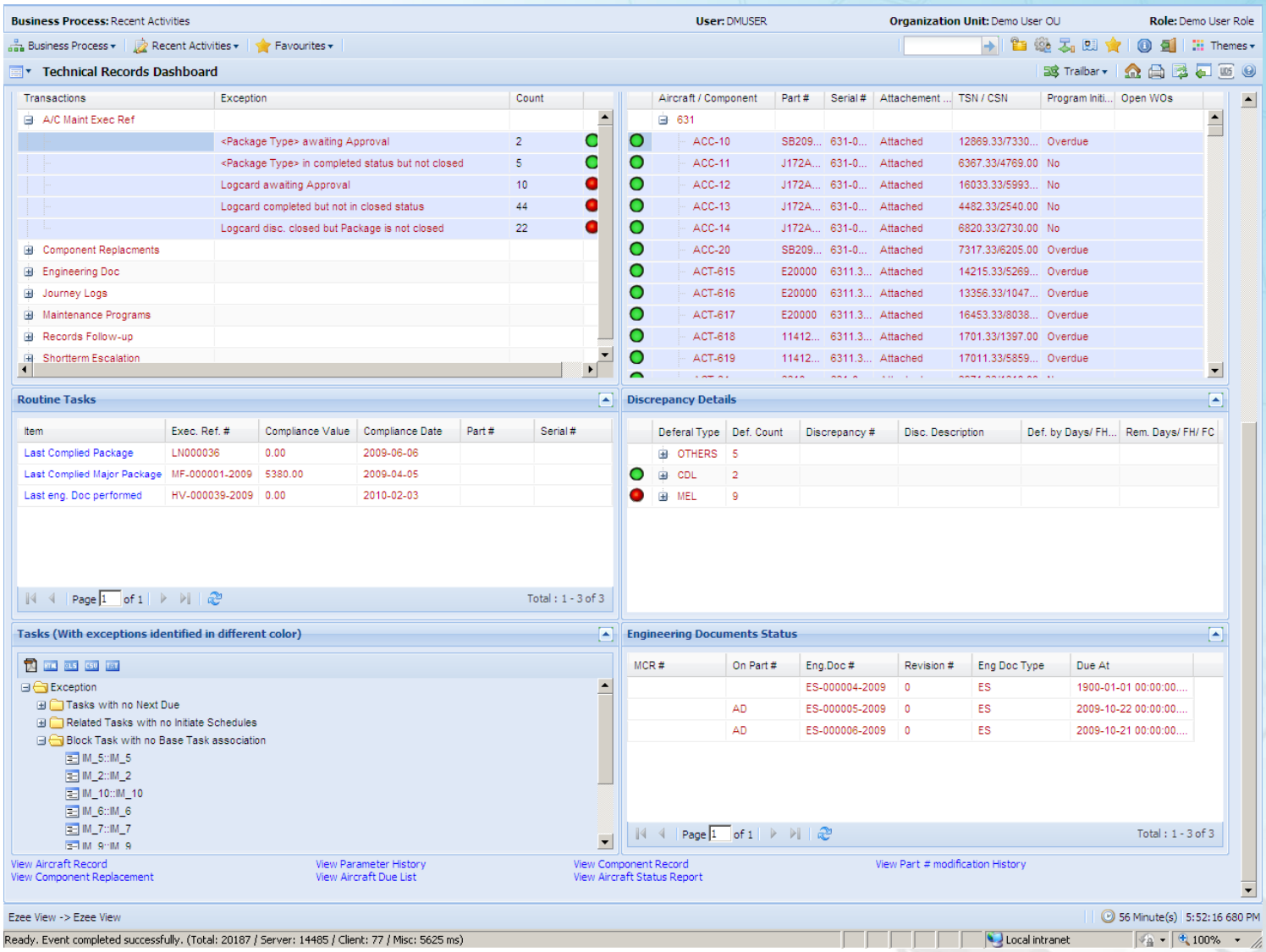


Fig: Illustrates the info displayed in Technical Records Dashboard screen

Configuration Management-Tech Records Dashboard

- Change Details
  - Aircraft Info
    - Review records aircraft by aircraft
    - Condition and status is displayed
    - Current parameter values including initialized values are displayed
    - Facilitate review of parameter values against any other system, based on dates
  - Journey Log Info
    - Journey logs for last three days (configurable)
    - Facilitates review of data entered in system vs. paper documents

Configuration Management-Tech Records Dashboard

- Change Details
  - Configuration Status
    - Error Positions
      - Attachment status as ‘Error’
      - Indicating the number of positions on which force part change is open
    - Unknown Positions
      - Attachment status as ‘Unknown’
      - Indicating the number of positions on attached serial number is not known or not initialized.
    - New Positions
      - Attachment status as ‘Blank’
      - Indicating the new positions added / config. class change

Configuration Management-Tech Records Dashboard

- Change Details
  - Configuration Status
    - Empty Positions
      - Attachment status as ‘Removed’
      - Indicating the number of positions where component is not attached
    - Suspect Removals
      - Count of CRs which are in suspect removed status
      - Link to ‘Track & Resolve SOS’
    - Assembly Status
      - Indicates whether component is attached to all the mandatory positions or not
    - Component Replacement
      - List of all error component replacements
      - Display of the first error from error log
      - Link to Edit Component Replacement

Configuration Management-Tech Records Dashboard

- Change Details
  - Open Transaction Details
    - Transactions that require intervention and correction will be listed
    - The following transactions are displayed
      - Aircraft Maintenance Execution documents pending closure
      - Logcards closed but awaiting MOC approval
      - Force part changes not yet regularized
      - MCR documents pending processing
      - MCR processed but not confirmed
      - Journey logs not yet approved
      - Maintenance program not yet approved
      - Number of open items awaiting tech. records follow-up

Configuration Management-Tech Records Dashboard

- Change Details
  - Configuration Details
    - Lists complete configuration of aircraft
    - Identifies the components for which program exists
    - Displays the count of open work orders for each component, signifying that work order is to be closed or component removal is pending
  - Routine Tasks
    - Last Complied Task
      - Any Maintenance Program task with latest compliance date and time
    - Last Complied Task
      - Any Maintenance Program task with latest compliance date and time and execution type as ‘Major’

Configuration Management-Tech Records Dashboard

- Change Details
  - Maintenance Program
    - Tasks with no NSD / NSV
      - Exclude ‘As Required’, ‘Perpetual’, ‘TBD’ & ‘RTC’
    - Base items without Blocks
    - Blocks without Base
    - RTC tasks without initialization tasks
  - Engineering Document Status
    - Engineering documents pending execution

Component Replacement

- Component Replacement
  - Business Need
    - Validate the installation part details based on Part Effectivity information
  - Change Details
    - Validations based on Part Effectivity definition
      - Based on Configuration Control Basis
    - Attachment of Conditionally Effective parts
      - Acceptance Ref will be mandated
      - Update Component Replacement (Edit Control)
      - Edit Component Replacement (Edit Control)
      - Amend Component Replacement (Display Only)
      - Reverse Component Replacement (Display Only)
      - View Component Replacement (Display Only)
      - Initialize & Update Configuration (Edit Control)

Wireframe

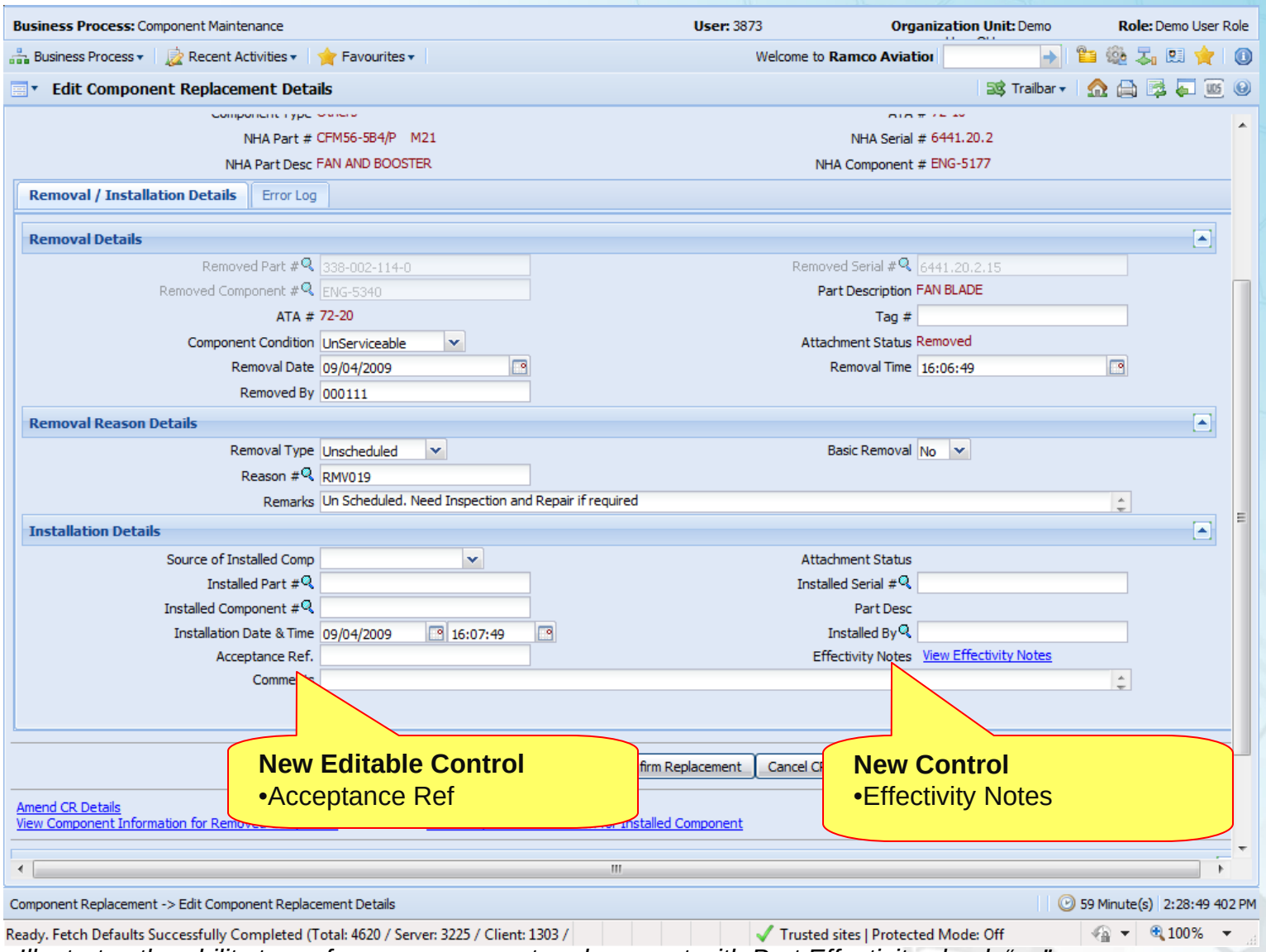


Fig: Illustrates the ability to perform a component replacement with Part Effectivity check "on"

Component Replacement

- Component Replacement
  - Business Need
    - Facility to modify Removal details, in case mechanic enters incorrect part details while doing force part change
    - Ability to cancel force part change
  - Change Details
    - Removal details can be now edited
    - Ability to modify the Removed Part # / Serial # / Component # before confirmation
    - Affected screen
      - Edit Component Replacement

Component Replacement

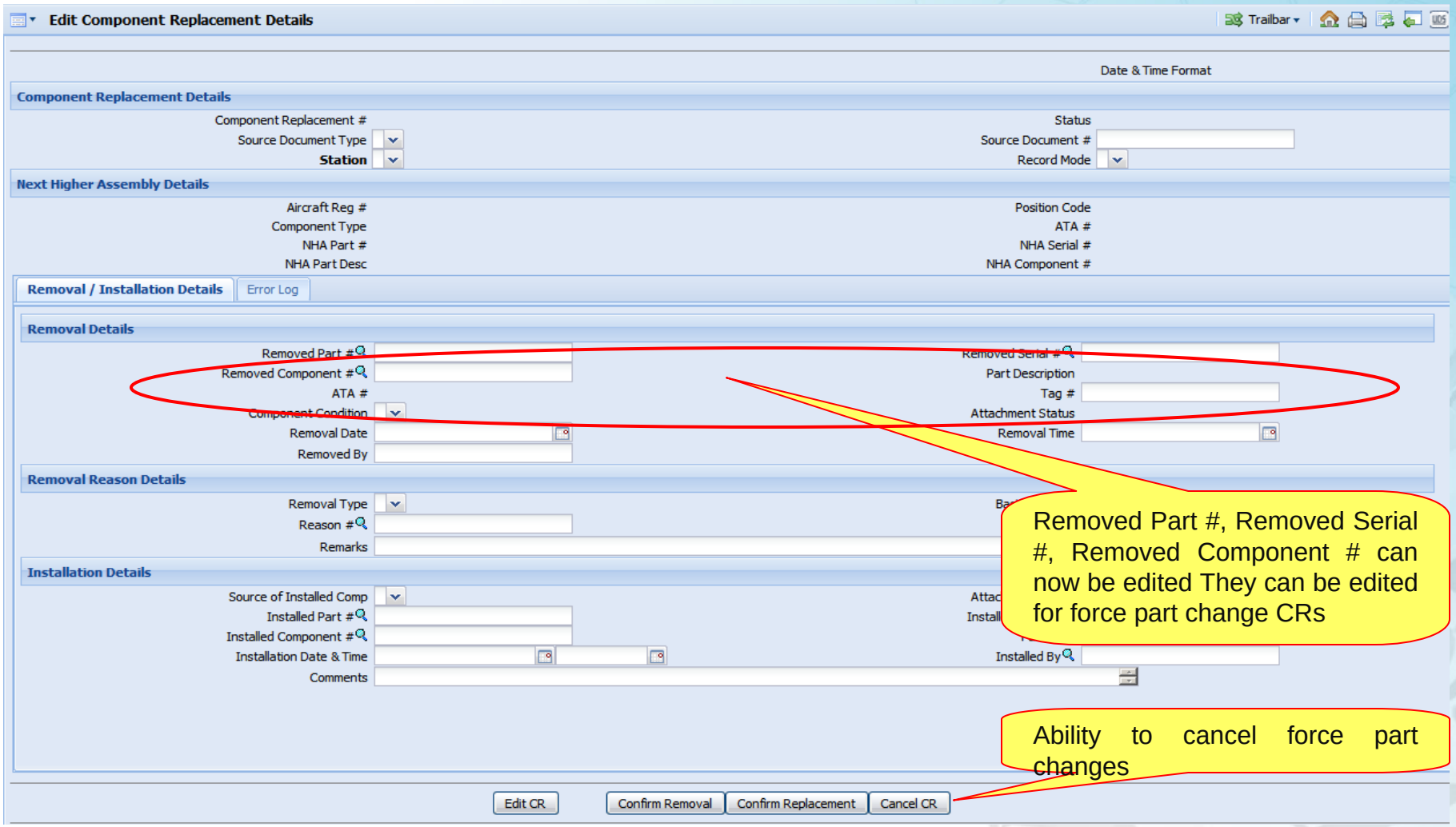


Fig: Illustrates the ability to modify the removed part details for force part changes

Maintenance Programs

Maintenance Programs

- Aircraft Maintenance Program
  - Business Need
    - Facility to capture history of schedule initialization/ modification notes
  - Change Details
    - Affected screens
      - Edit Schedule Date/Value
      - View Schedule Date/Value

Maintenance Programs

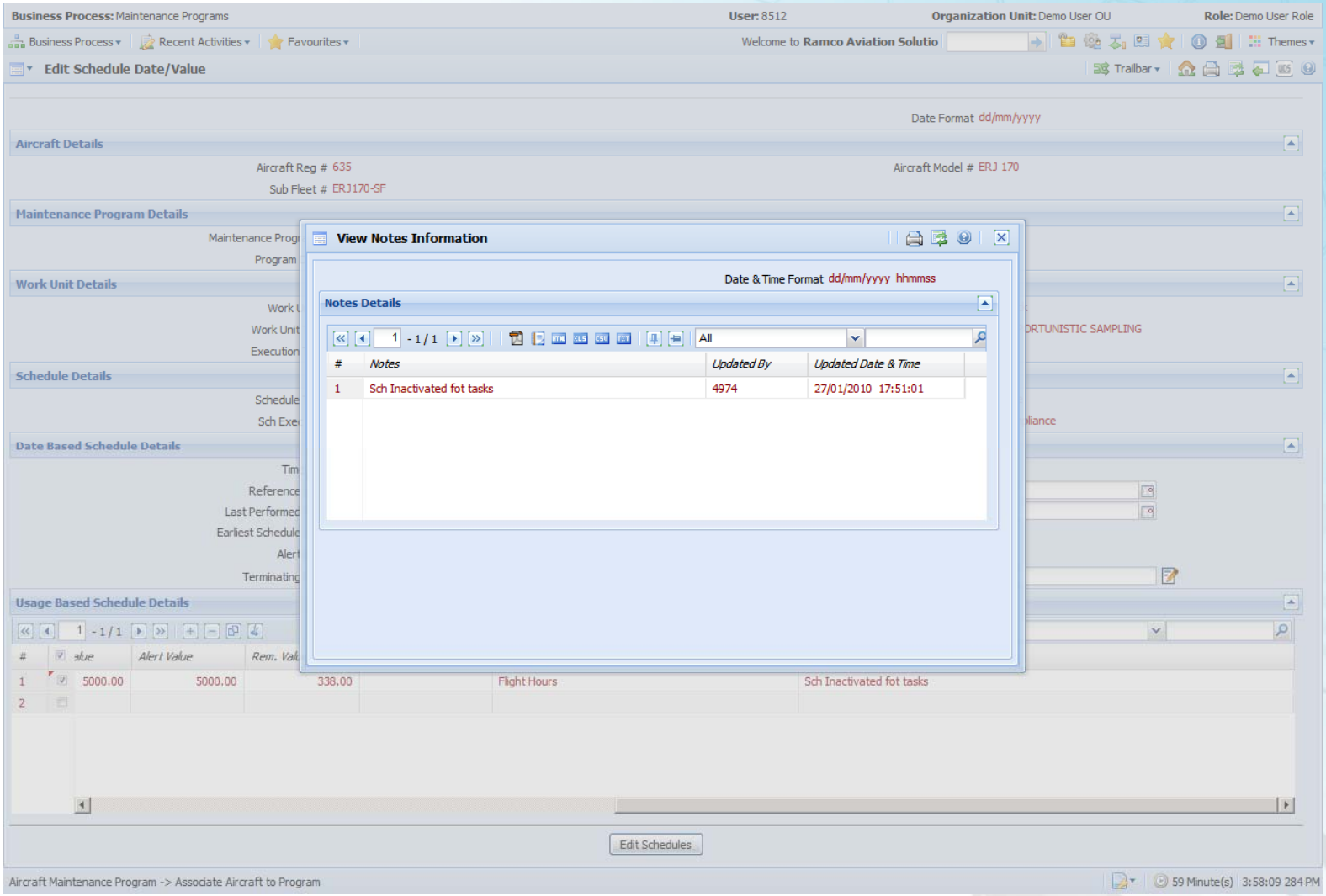


Fig: Illustrates the ability view history of remarks updated at each schedule level

Maintenance Programs

- Central Planning
  - Business Need
    - Facility to capture history of schedule initialization / modification notes
  - Change Details
    - Affected screen
      - Initialize Maint. Program & Update Compliance

Maintenance Programs

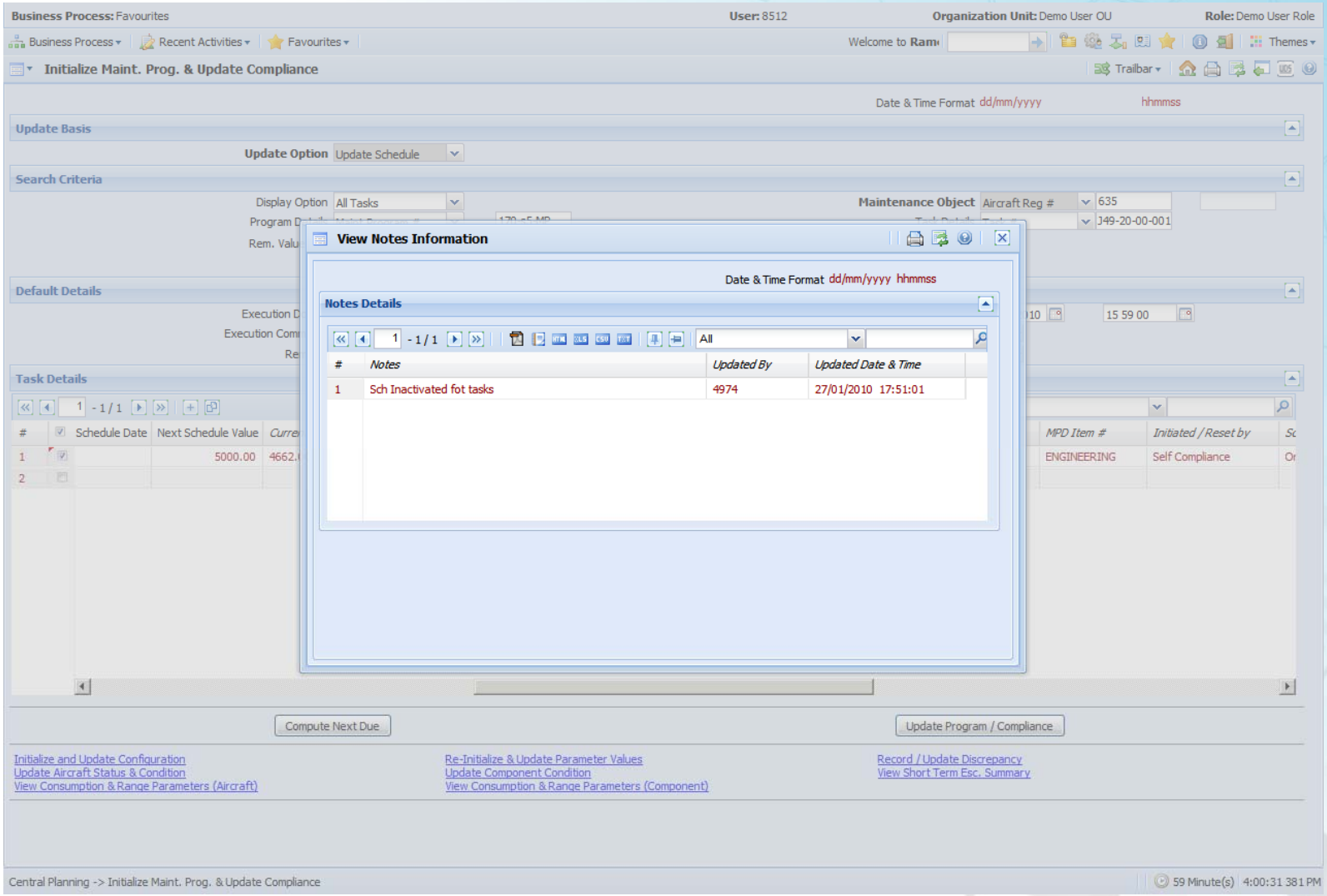


Fig: Illustrates the ability view history of remarks updated at each schedule level

Maintenance Programs

- Central Planning
  - Business Need
    - Ability to insert new schedules for multiple aircrafts en masse
  - Change Details
    - Facilitates addition of multiple tasks into existing Maintenance Programs without revising the program.
    - Activity:
      - Initialize Maint. Program & Update Compliance

Maintenance Programs

- Component Maintenance Program
  - Business Need
    - Induction of new position based schedule
    - Discontinuation of a position based schedule
  - Change Details
    - Facility to inherit position based schedules on Activation
      - On activation, inheritance of position schedules to attached components based on user selection of check box
      - On activation of modified position schedules, inheritance of schedules based on user selection of check box
    - Facility to inactivate position based schedules
      - Facility to inactivate position schedules
      - On inactivation, reset to template schedules based on user selection of check box

Maintenance Programs

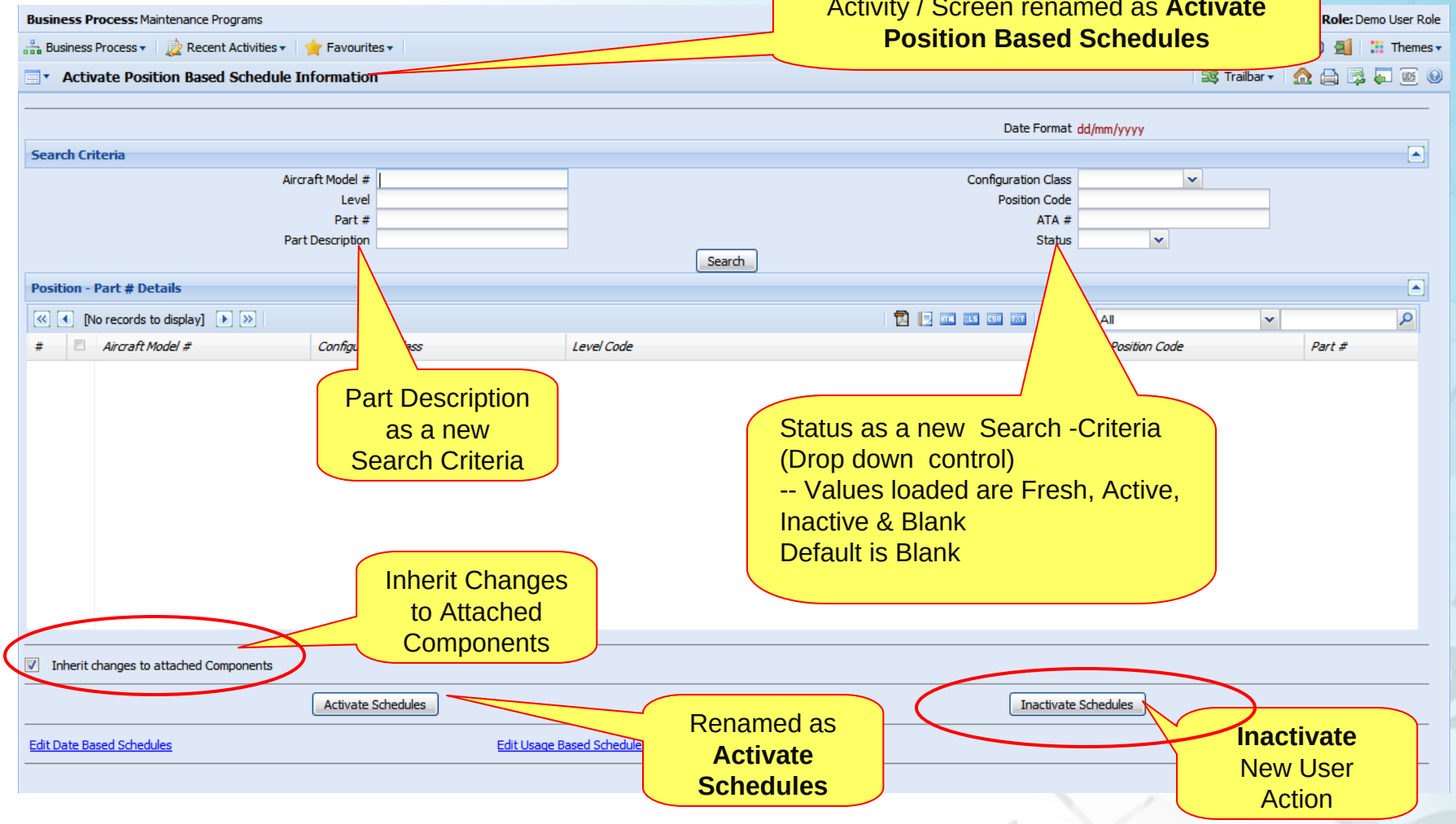


Fig: Illustrates the changes carried out in Position based schedule screen under component maintenance business component

Maintenance Programs

- Component Maintenance Program
  - Business Need
    - Ability to reset component to template schedules once it is moved into inventory after service
    - System should not mandate definition of position based schedules for all positions on which it can be attached
  - Change Details
    - Program schedules updated based on Option in Comp. Maintenance Program
      - Sch. Impact on Position Change
        - Reset to template schedules
        - Retain existing schedules

Maintenance Programs

Contd..

- Change Details
  - Program schedules affected based on option
    - When the Component is attached to a Position which does not have any position based schedules
    - When the position based schedules are inactivated
  - On Task Compliance
    - If the component is not attached to an A/C
      - » Mirror the schedules from Part Program
      - » Compute NSD / NSV
    - If the component is attached to an A/C
      - » Retain the schedules

Maintenance Programs

- Aircraft Maintenance Program
  - New Validation
    - To prevent duplication of task in program
    - To prevent aircraft association to multiple programs
- Aircraft Maintenance Program
  - Performance Optimization
    - Associate A/C to program
    - Edit Maintenance Program
    - Confirm Maintenance Program

Maintenance Task

- Facility to track effectivity based on A/C Reg #
  - Aircraft Reg. # to be added for effectivity definition
  - From Tab #, To Tab # will be removed

Wireframe

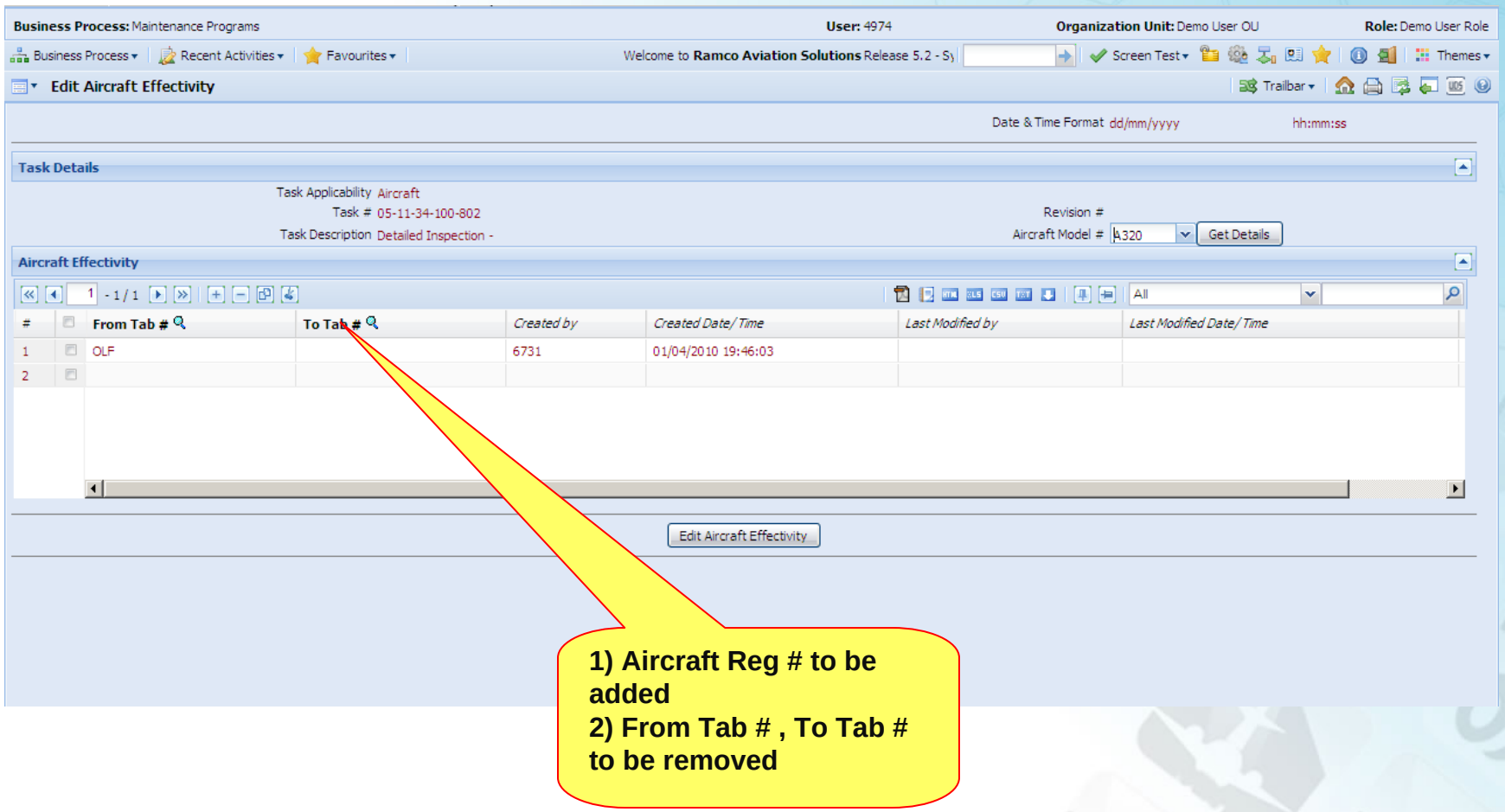


Fig: Illustrates ability to define aircraft effectivity by providing registration number instead of tab numbers

Maintenance Programs

- Facility to retain the latest task revision #
  - Aircraft Maintenance Program
  - Component Maintenance Program
  - Aircraft / Part effectivity changes will update programs with the applicable revision #

Maintenance Planning

Maintenance Forecast

- Aircraft Forecast
  - Business Need
    - Ability to quickly generate forecast at each aircraft level
  - Change Details
    - Facility to perform A/C level forecast
      - Forecast # generation during Sub Fleet Definition
      - Release forecast will enable generate and release forecast
      - Following screens are de-commissioned
        - » Create Forecast
        - » Edit Forecast
        - » Edit Sub-fleet utilization
        - » Re Forecast

Wireframe

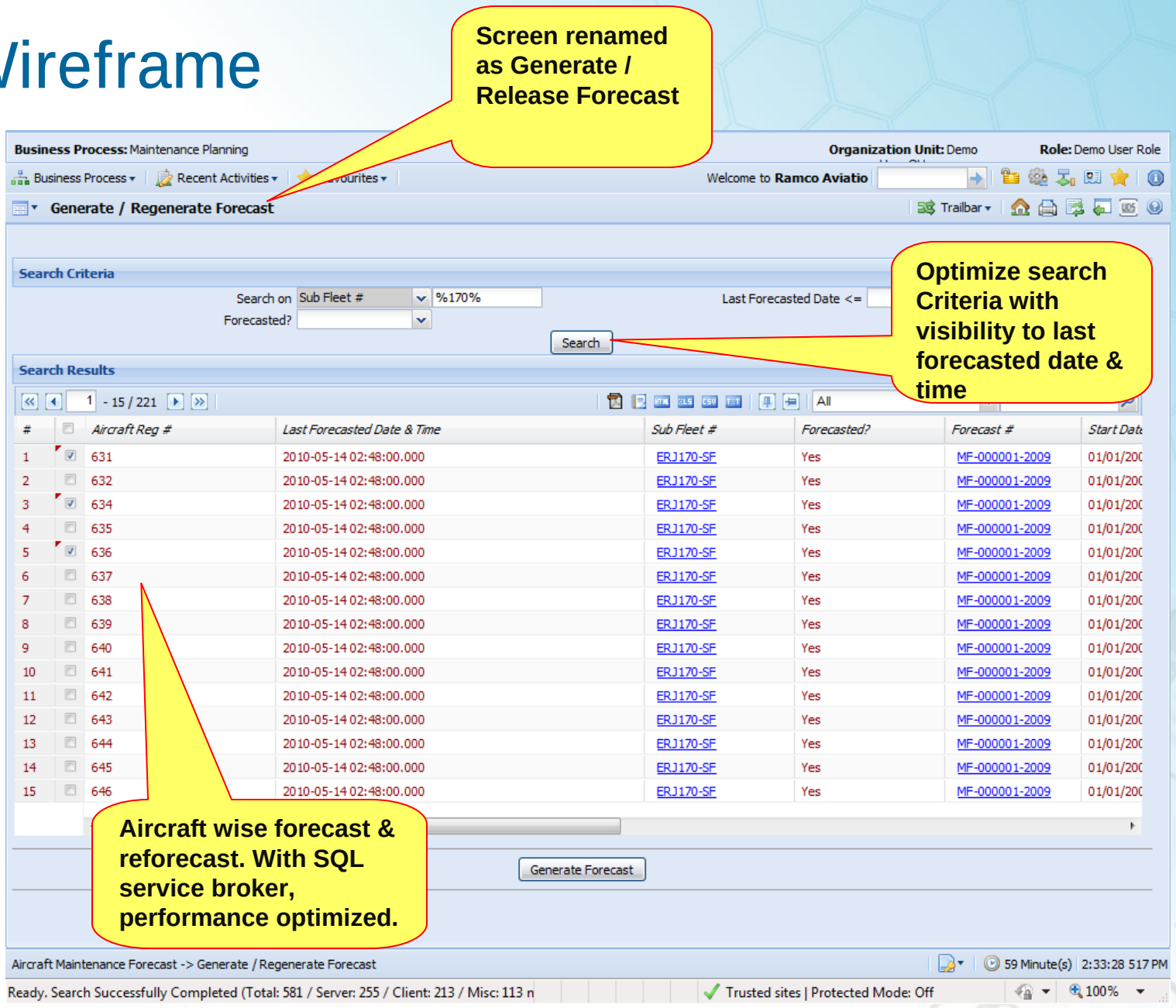
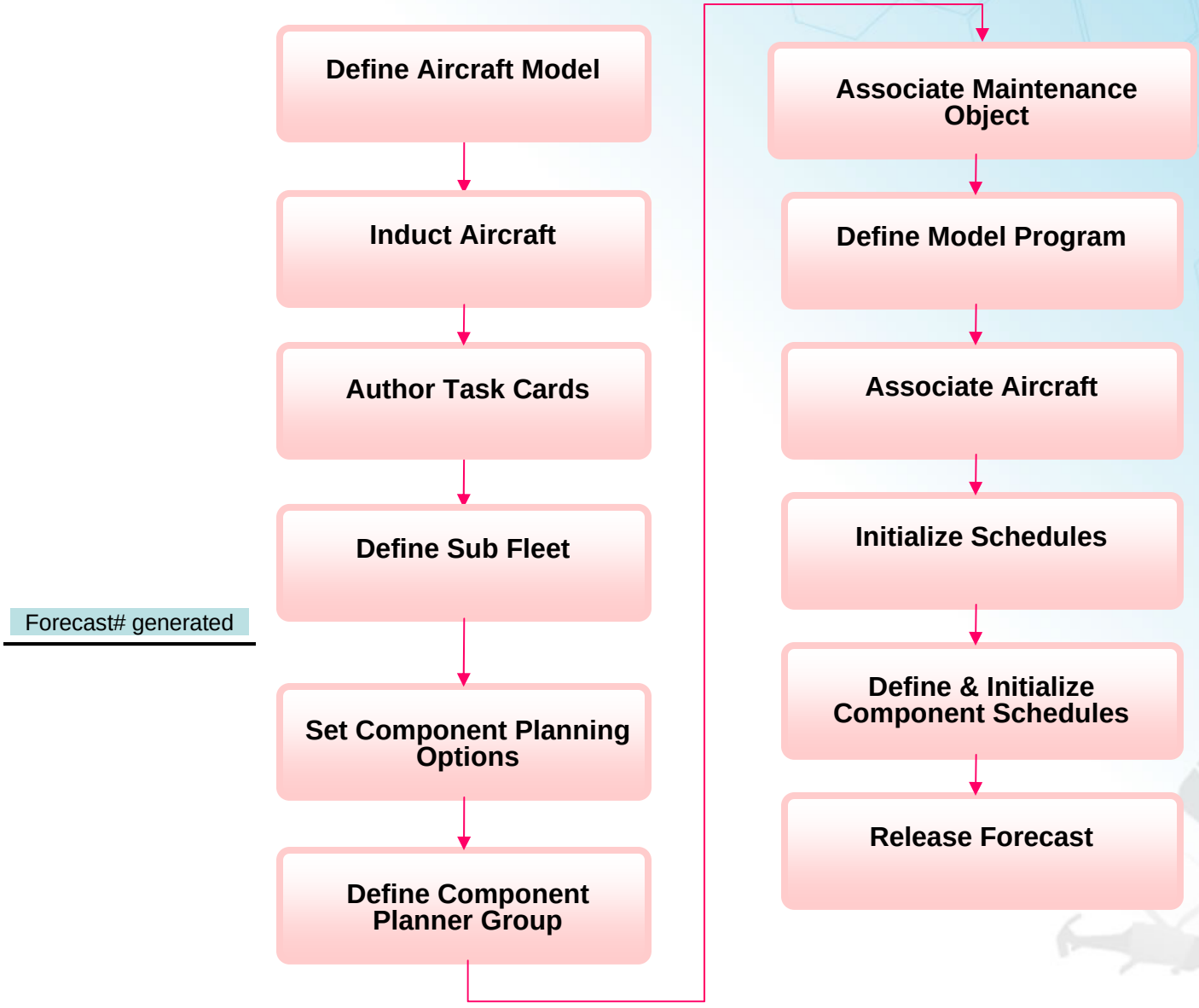


Fig: Illustrates ability to generate / reforecast at each aircraft level

Maintenance Forecast

- Change Details
  - A/C level forecast enabled
  - Generation / Release of forecast will run in back ground
  - Utilization from A/C
    - Sub fleet level utilization not considered
    - Seasonal utilization not considered
  - Validation relaxation for sub fleet change
    - Sub fleet modification to be allowed even with open forecast

Process Flow – Forecast



Maintenance Planning

- Aircraft Maintenance Planning
  - Feature Description
    - Facility to search tasks by part # across fleet
    - Additional enhancements in search and display options
  - Change Details
    - Part # search filter for retrieving off-wing jobs and deferrals across fleet
    - Option to display flight schedules
    - Ability to add work scope details for a customer order, on assignment of task to visit packages
    - Additional attributes for task in Pop-Up Control
      - Rem. Days / FH / FC
      - Part # / Serial # / Position Code
      - Interval Calendar / FH / FC

Maintenance Planning

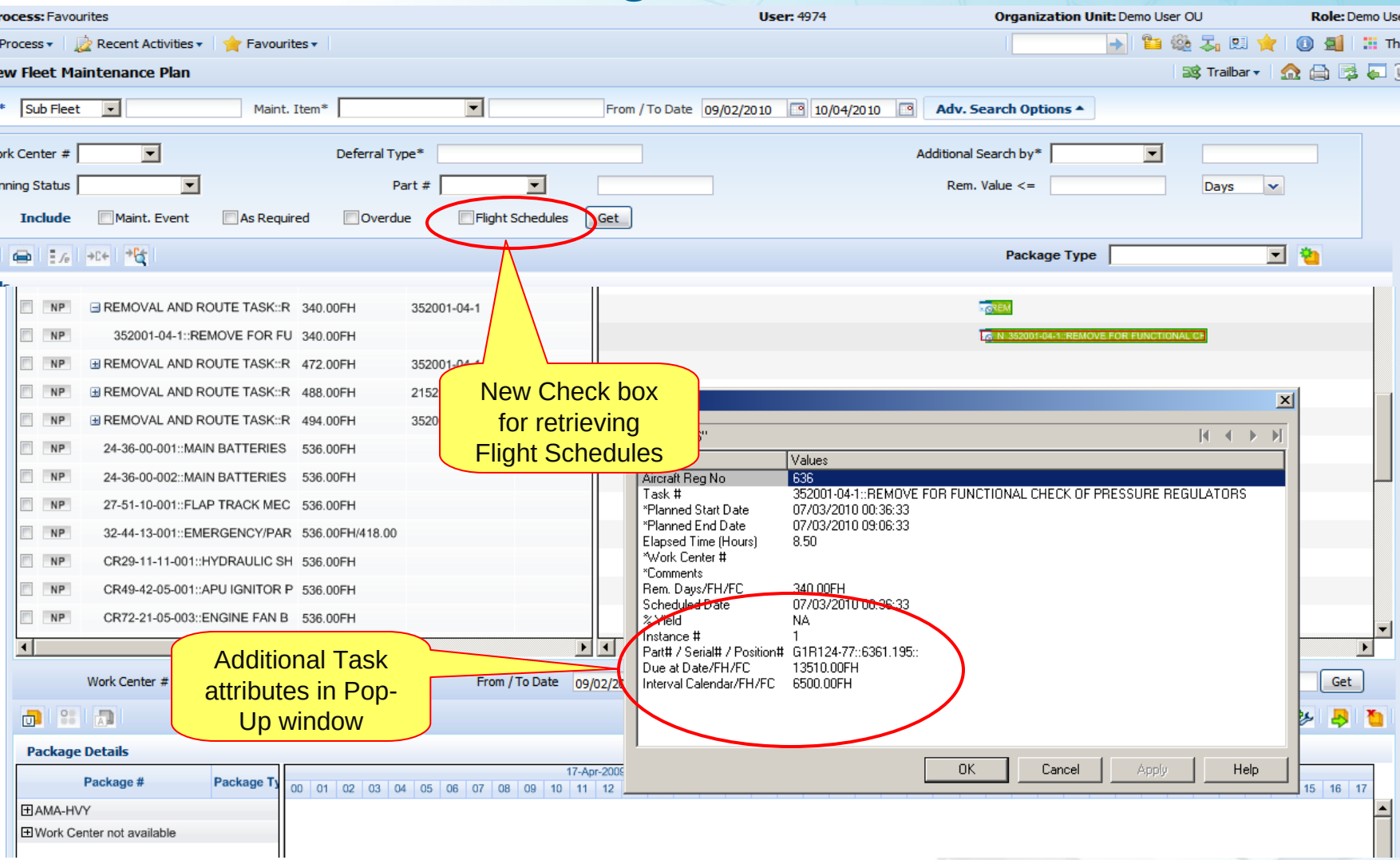


Fig: Illustrates ability to optionally display flight schedules. Also demonstrates the ability to display the intervals and due values at each task level.

Maintenance Planning

- Aircraft Maintenance Planning
  - Facility to prevent automatic selection of off-wing task
    - On selection of Removal Task Off –Wing, tasks will not be automatically selected
  - Additional attributes for task in pop-up control
    - Package details and package –Slot Details Gantt
    - Part # / Serial # / Position Code

Aircraft Maintenance Planning

- Facility for planner to add unplanned On-Wing / Component Removal Jobs
  - Additional columns in Edit Task / Package Information screen
    - Part #
    - Serial #
    - Position Code
    - Job Type
- Facility for planner to update Plan Start / Plan End Time for tasks
    - Plan Start Time
    - Plan End Time
    - Scheduled Date (Display only control)

Wireframe

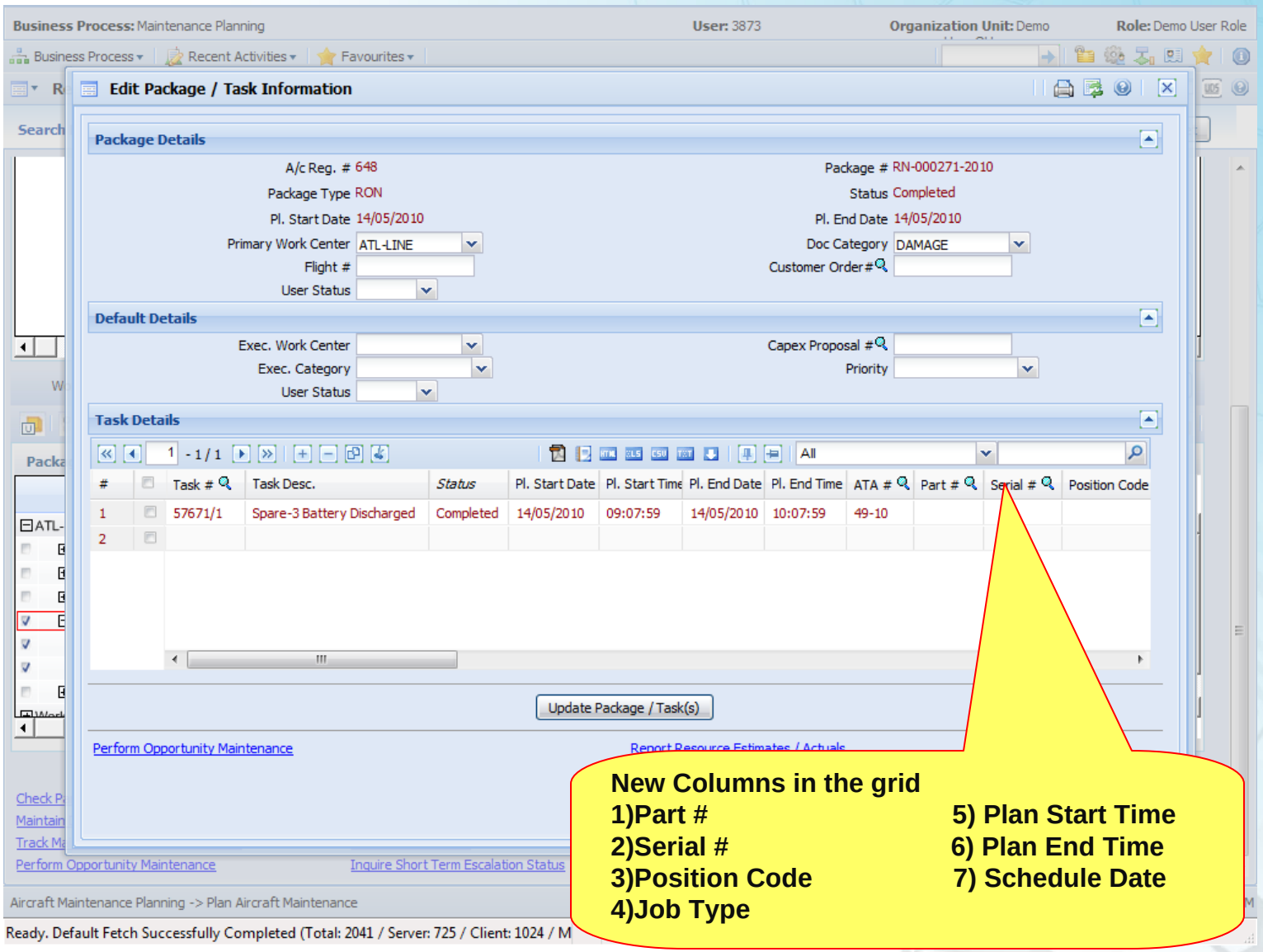


Fig: Illustrates ability to add on-wing tasks in 'Edit Package / Task Information' screen

Aircraft Maintenance Planning

- Facility to include part effectivity definitions
  - Material constraint computation
  - Information message on package release
  - Force requisition

Wireframe

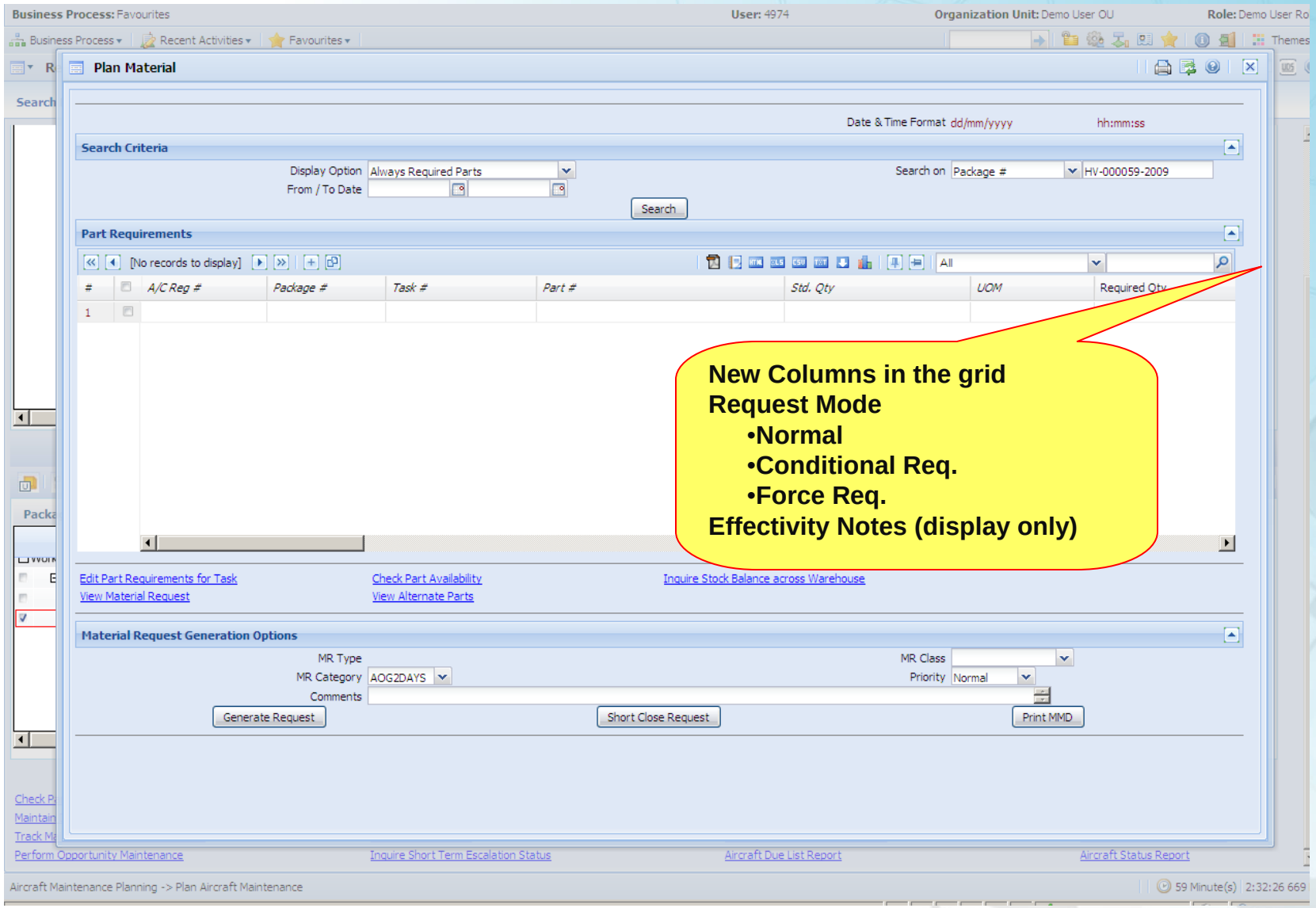


Fig: Illustrates ability to raise force part & conditional requisition during material planning from Planning Board

Central Planning

- Facility to Close Escalations
  - Automatic closure of escalation document
    - Task is complied after escalation
    - Inquire Escalation screen to display closed escalations

Wireframe

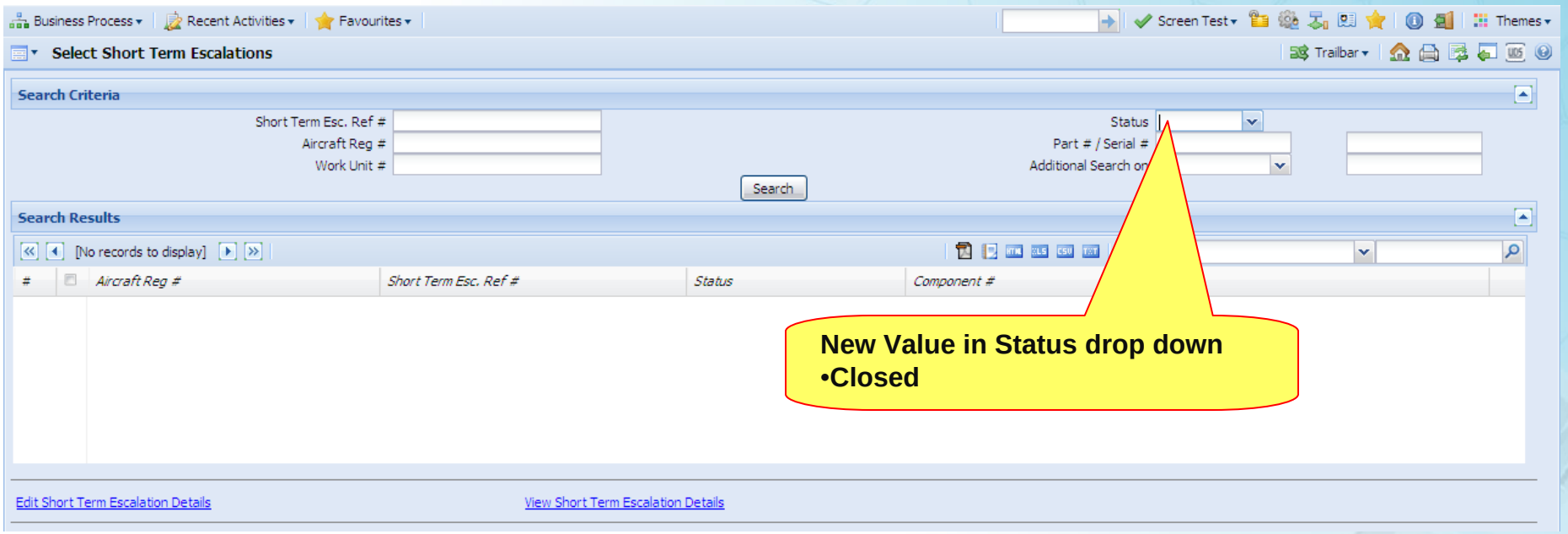


Fig: Illustrates ability to review the closed short term escalation

Maintenance Execution

Line Maintenance

- Aircraft Maintenance Execution
  - Feature Description
    - Facility to record COM of type 'Forced' for a package
  - Change Details
    - COM Type ‘Forced’ has been added
    - Task overdue and employee license checks bypassed.
    - Affected screen
      - Issue Certificate of Maintenance

Line Maintenance

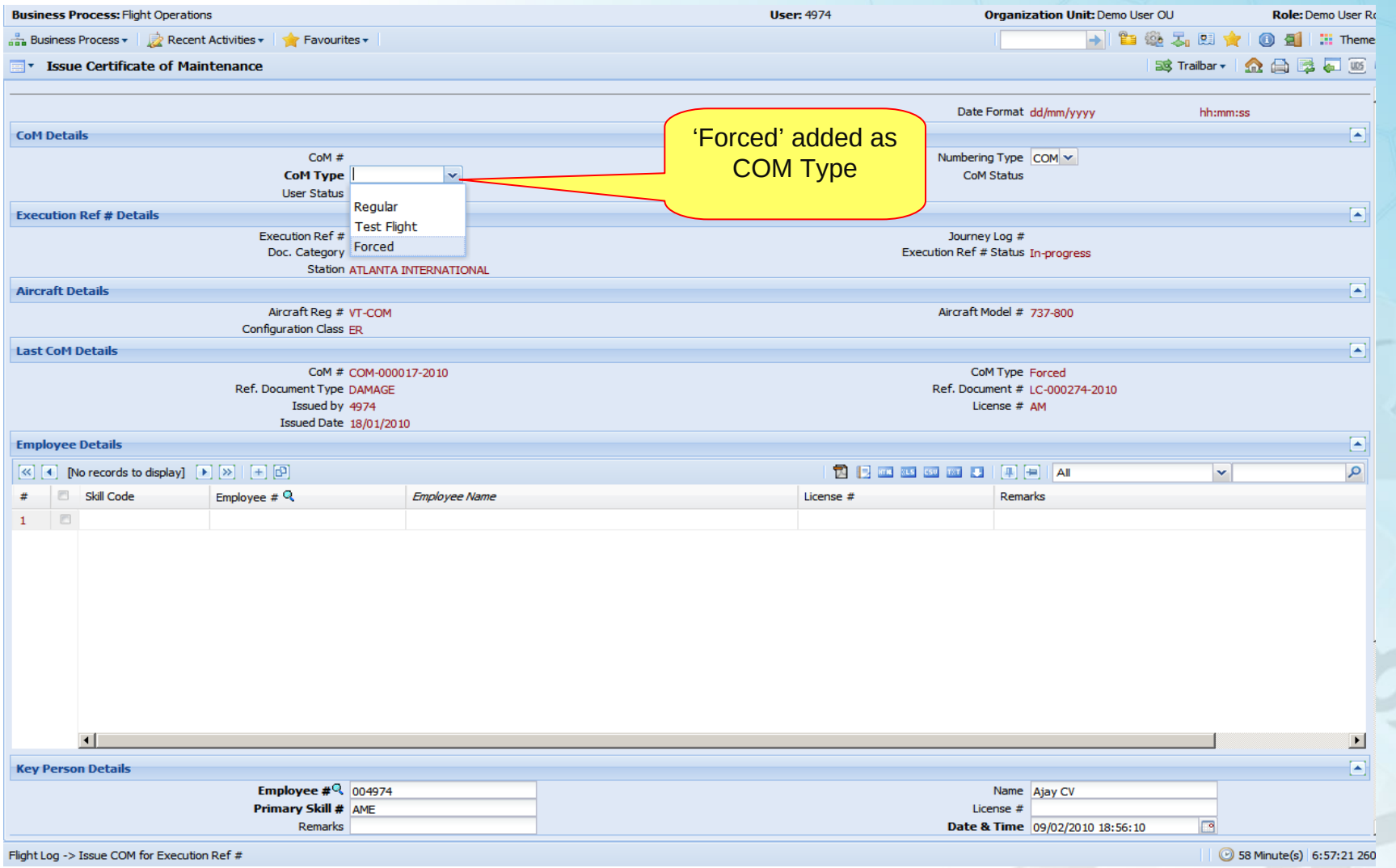


Fig: Illustrates ability to force release a certificate of Maintenance referring an Aircraft Maintenance Execution Ref.#

Line Maintenance

- Aircraft Maintenance Execution
  - Feature Description
    - Facility to swap or cannibalize the parts from components
  - Change Details
    - Ability to capture Source Component # during Swap and Cannibalize
    - Affected screen
      - CR Section (Aircraft Maintenance Execution)

Line Maintenance

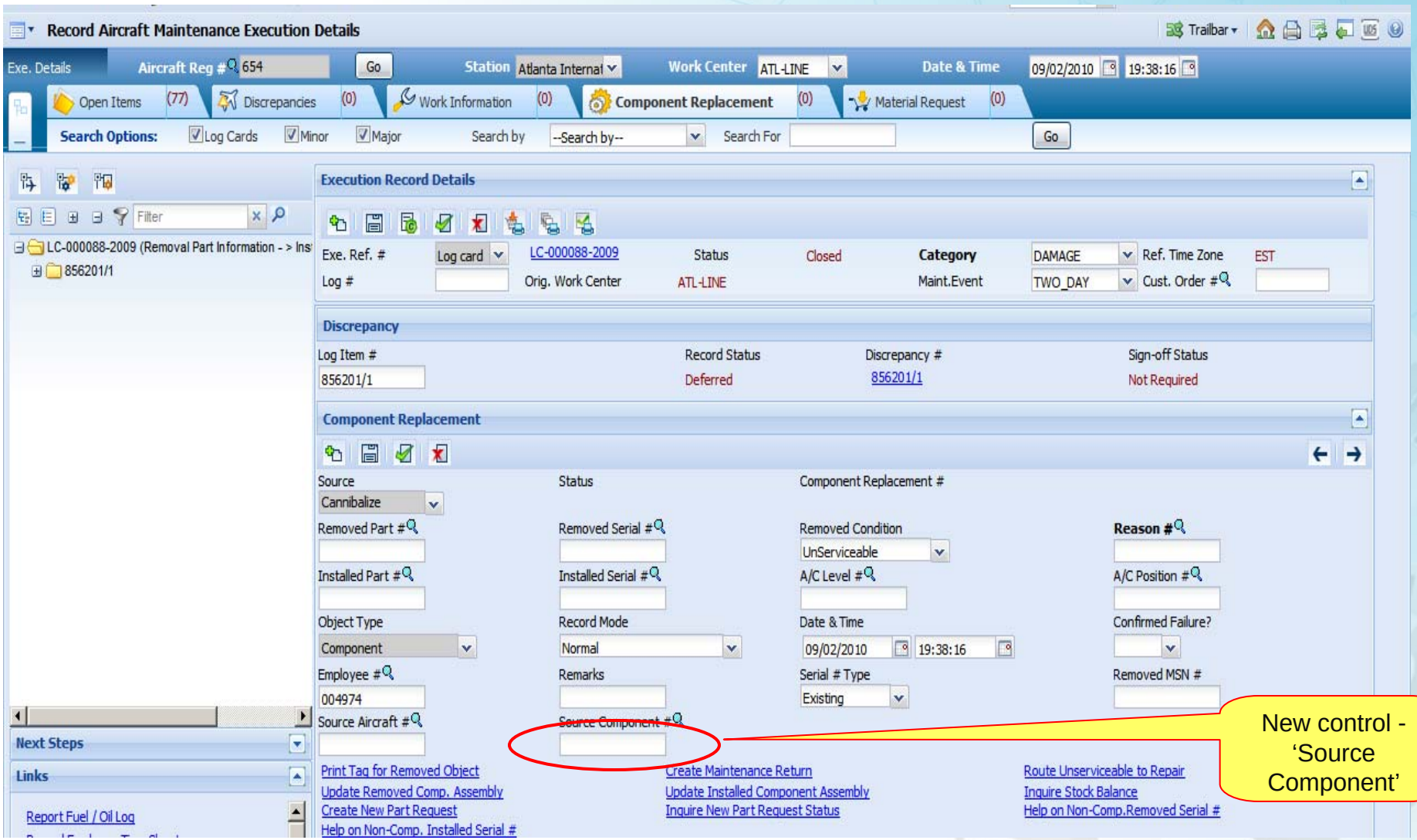


Fig: Illustrates ability to refer another component in shop for Cannibalization

Line Maintenance

- Aircraft Maintenance Execution
  - Facility to move part requirements across packages on movement of discrepancies
    - Copy part requirements to the new package
    - Generate material request for the parts, based on package options on Planner releasing the package
    - Close material request of the Source Package, on closure of discrepancy

Line Maintenance

- Aircraft Maintenance Execution
  - Facility to authenticate task sign off by smart card
    - Sign-off of tasks can be performed only by users who have active smart cards

Line Maintenance

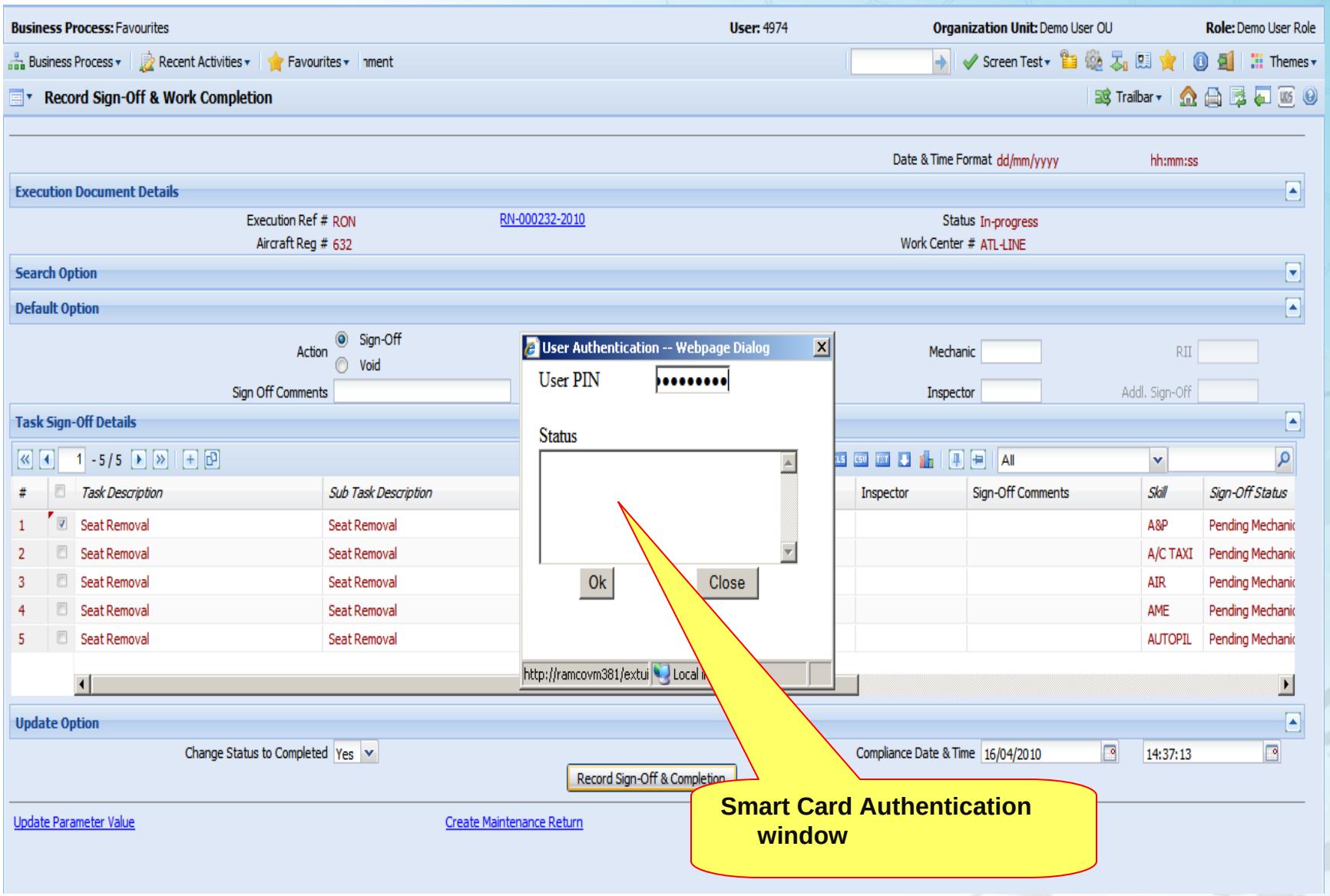


Fig: Illustrates ability to perform Electronic Signature

Line Maintenance

- Aircraft Maintenance Execution
  - Facility for overriding part effectivity check
    - Record Mode added in Material Request, to override
      - Normal
      - Conditional Req. →if the part is conditional effective, use conditional requisition for generating material request : Comments will be mandated.
      - Force Req. → if the part is not effective, use force requisition for generating material request
    - Acceptance Ref. added in Component Replacement to override installation of conditional effective parts
      - User will be prompted to provide Acceptance Reference on installation of a conditionally effective part

Line Maintenance

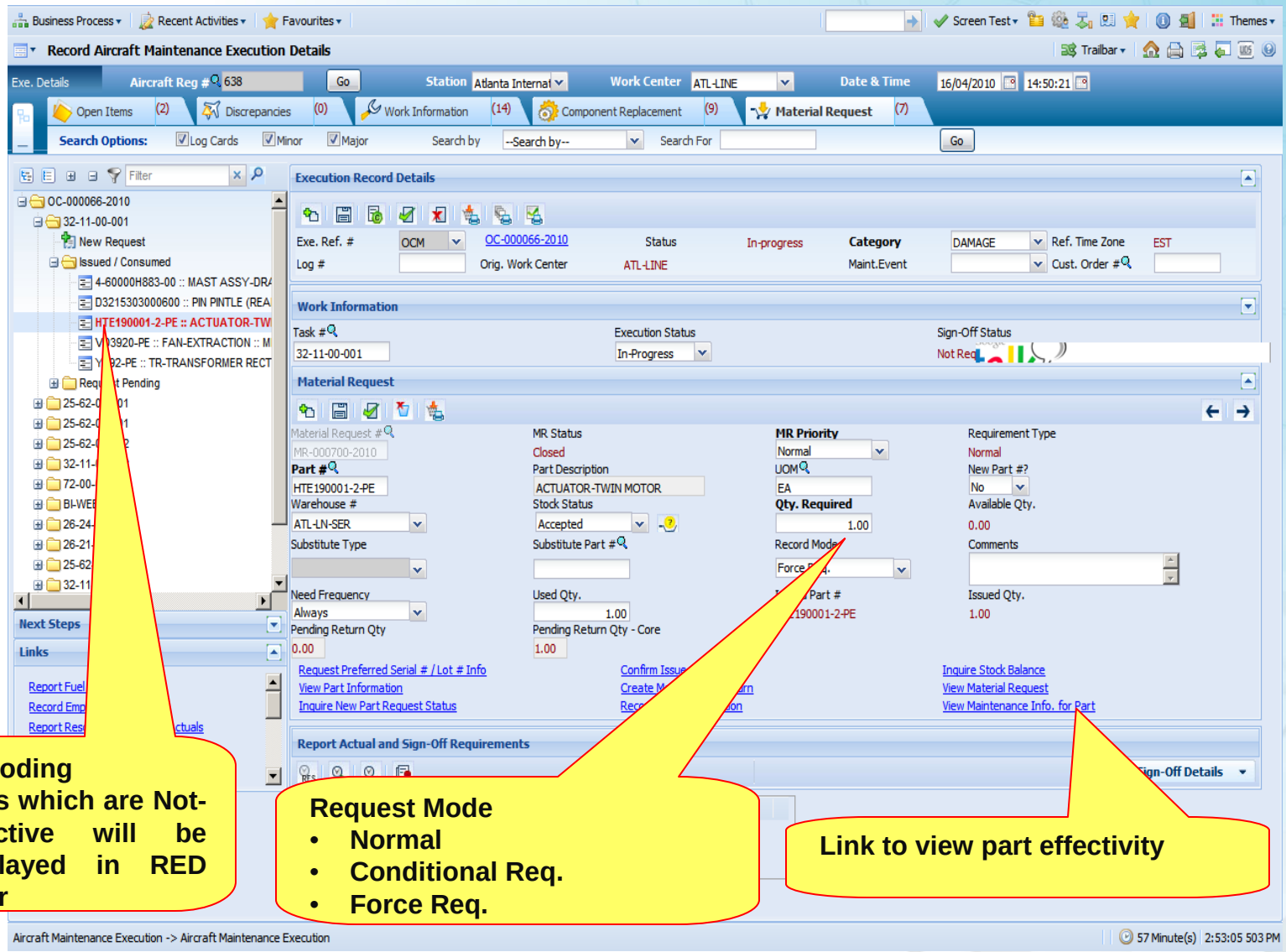


Fig: Illustrates ability to raise force / conditional requisition from Aircraft Maintenance Execution screen

Line Maintenance

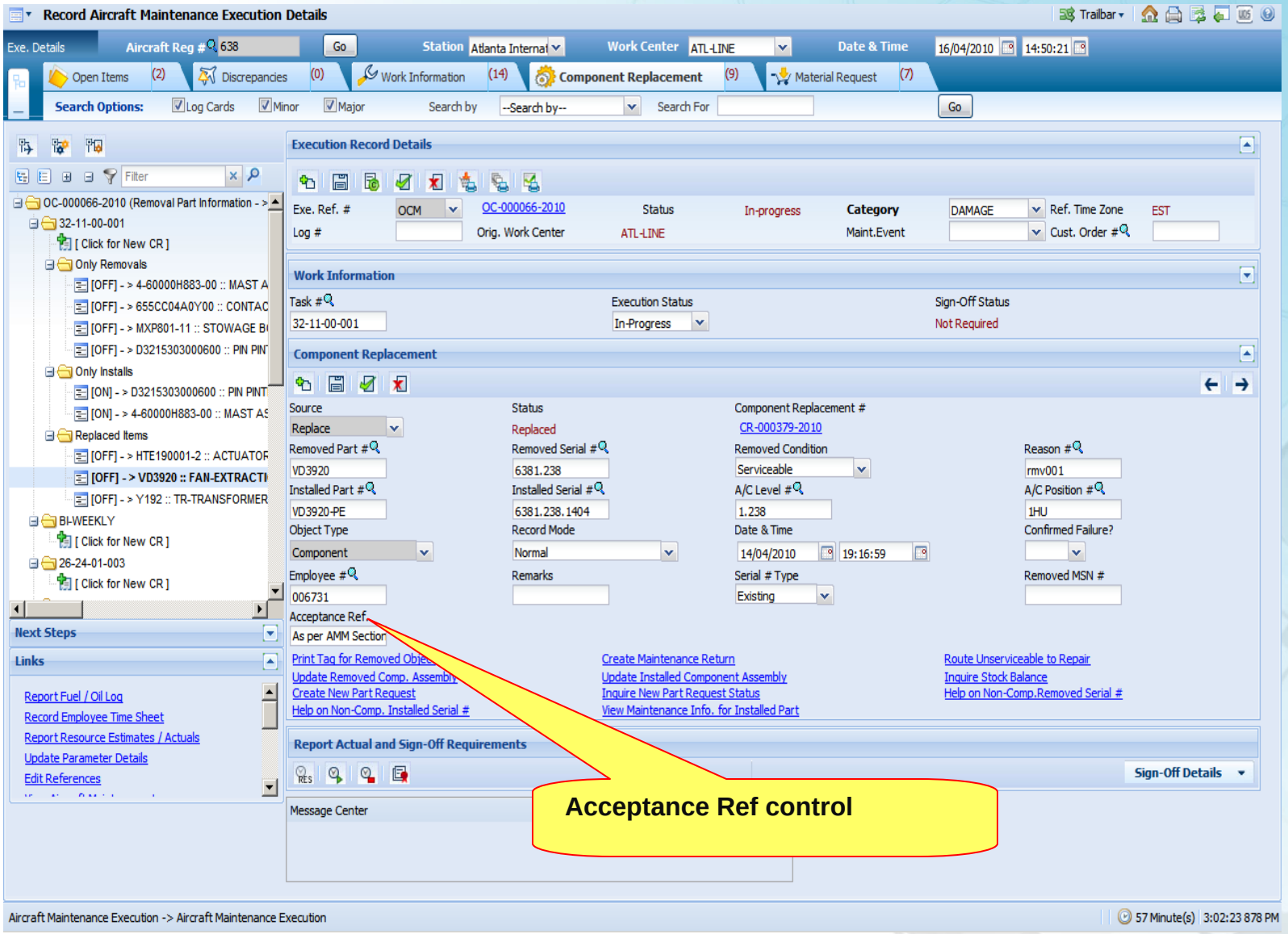


Fig: Illustrates ability to attach a conditionally effective part from Aircraft Maintenance Execution screen

Line Maintenance

- Aircraft Maintenance Execution
  - Facility for review history of reported discrepancy
    - Link to review discrepancy on an aircraft for a specific ATA

Line Maintenance

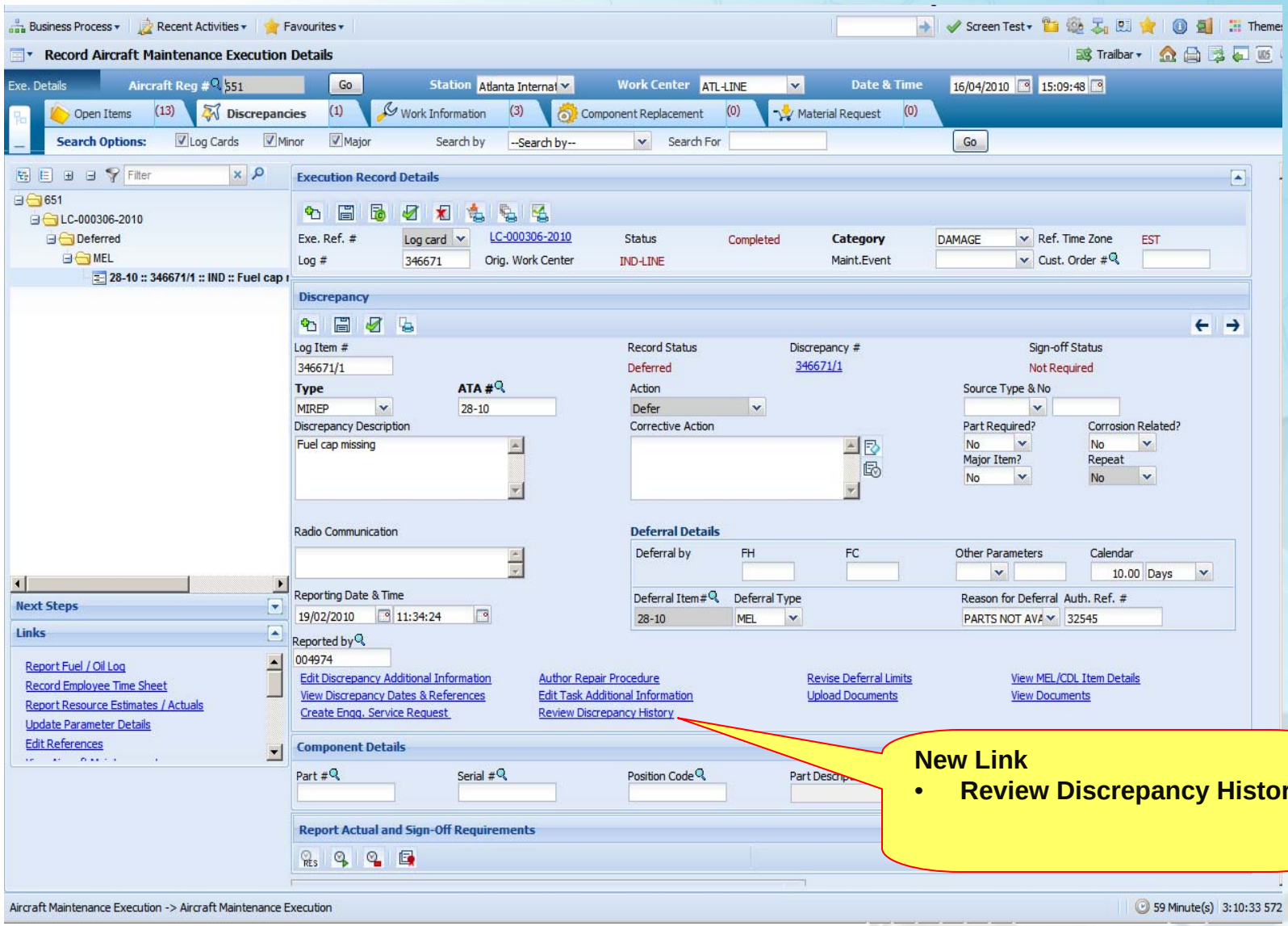


Fig: Illustrates ability to review the discrepancy history for the aircraft and ATA

Aircraft Maintenance Execution

- Facility for the line mechanic to reconcile parts
  - will enable the mechanic/supervisor to reconcile parts which are pending return for the package

Line Maintenance

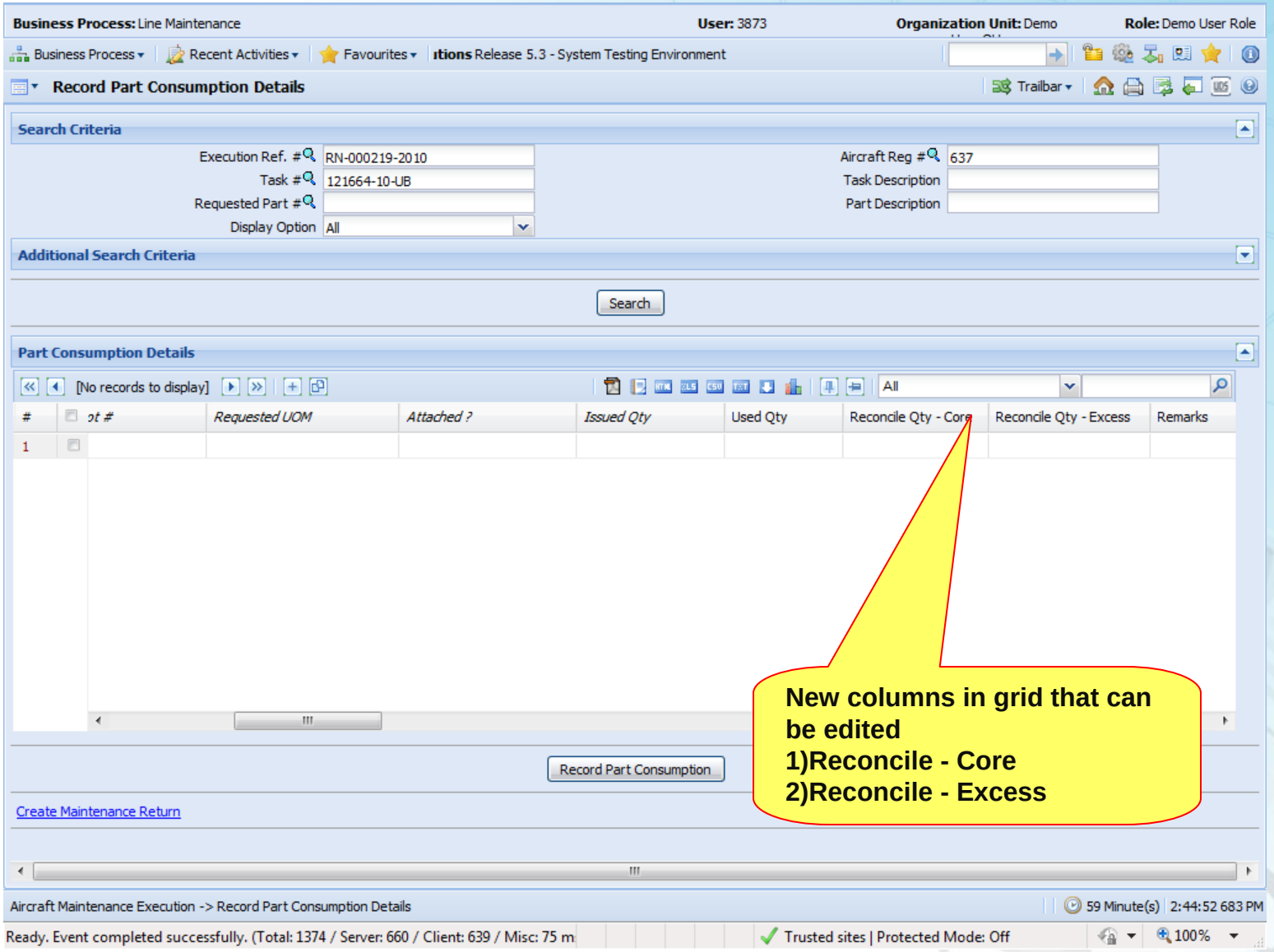


Fig: Illustrates ability to reconcile pending return parts information in Aircraft Maintenance Execution screen

Aircraft Maintenance Execution

- Facility for the line mechanic to generate material request for multiple tasks
  - Plan Material screen enhanced
  - Bulk Generation of MRs possible
- Facility to approve timesheet records booked against Aircraft Maintenance Execution document
  - Edit / Authorize Labor Hours activity under Component Work Reporting is enhanced
  - Ability to update billable labor hours is provided

Hangar Maintenance

- Hangar Maintenance
  - Feature Description
    - Facility to identify Log Item # and Discrepancy Type for discrepancies
  - Change Details
    - New columns: Log Item # and Discrepancy Type added
    - Affected screens
      - Record Preliminary Inspection Findings
      - Record Discrepancies

Hangar Maintenance

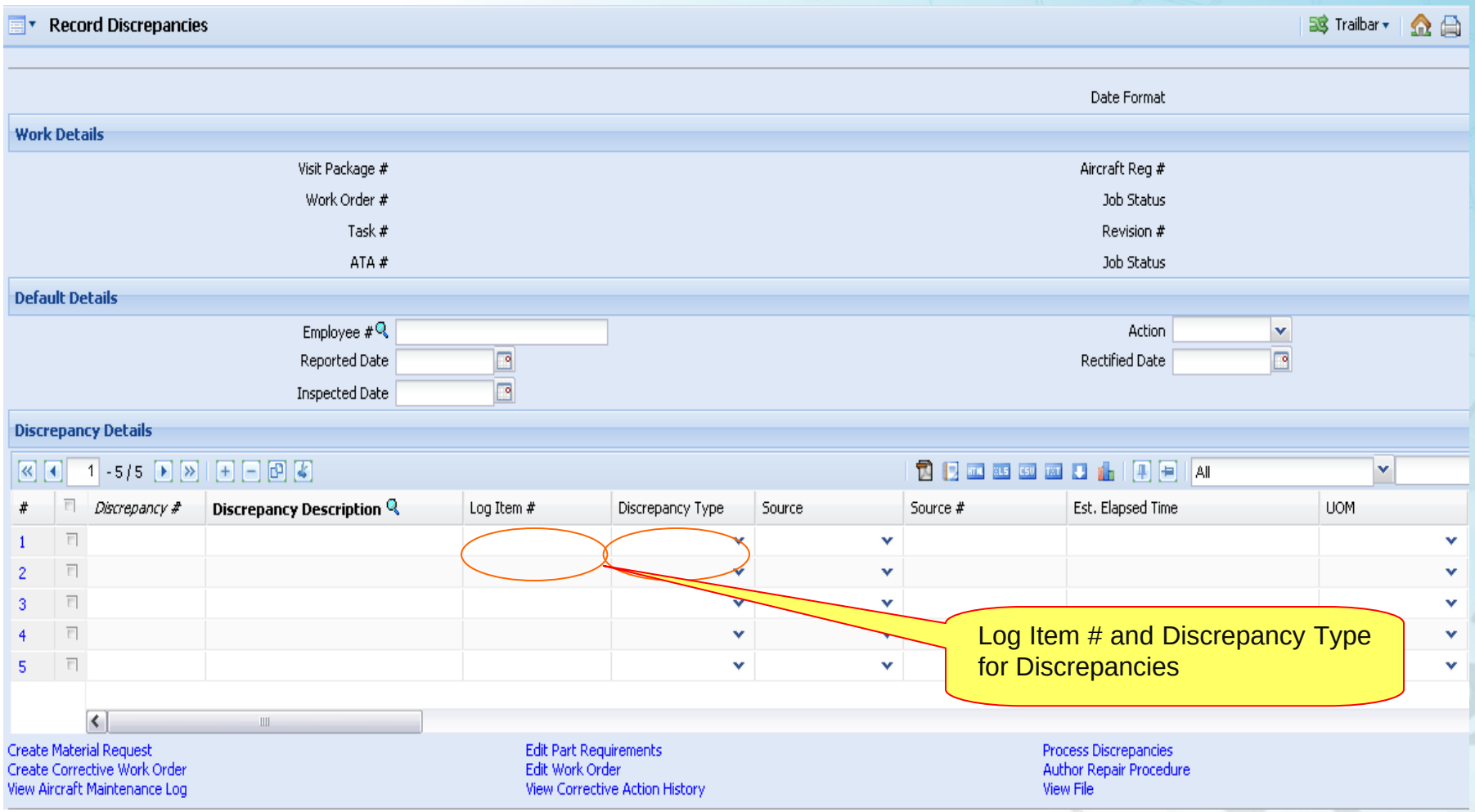


Fig: Illustrates ability to refer the log item# while recording the preliminary inspection details or recording the last leg discrepancy during hangar visit

Hangar Maintenance

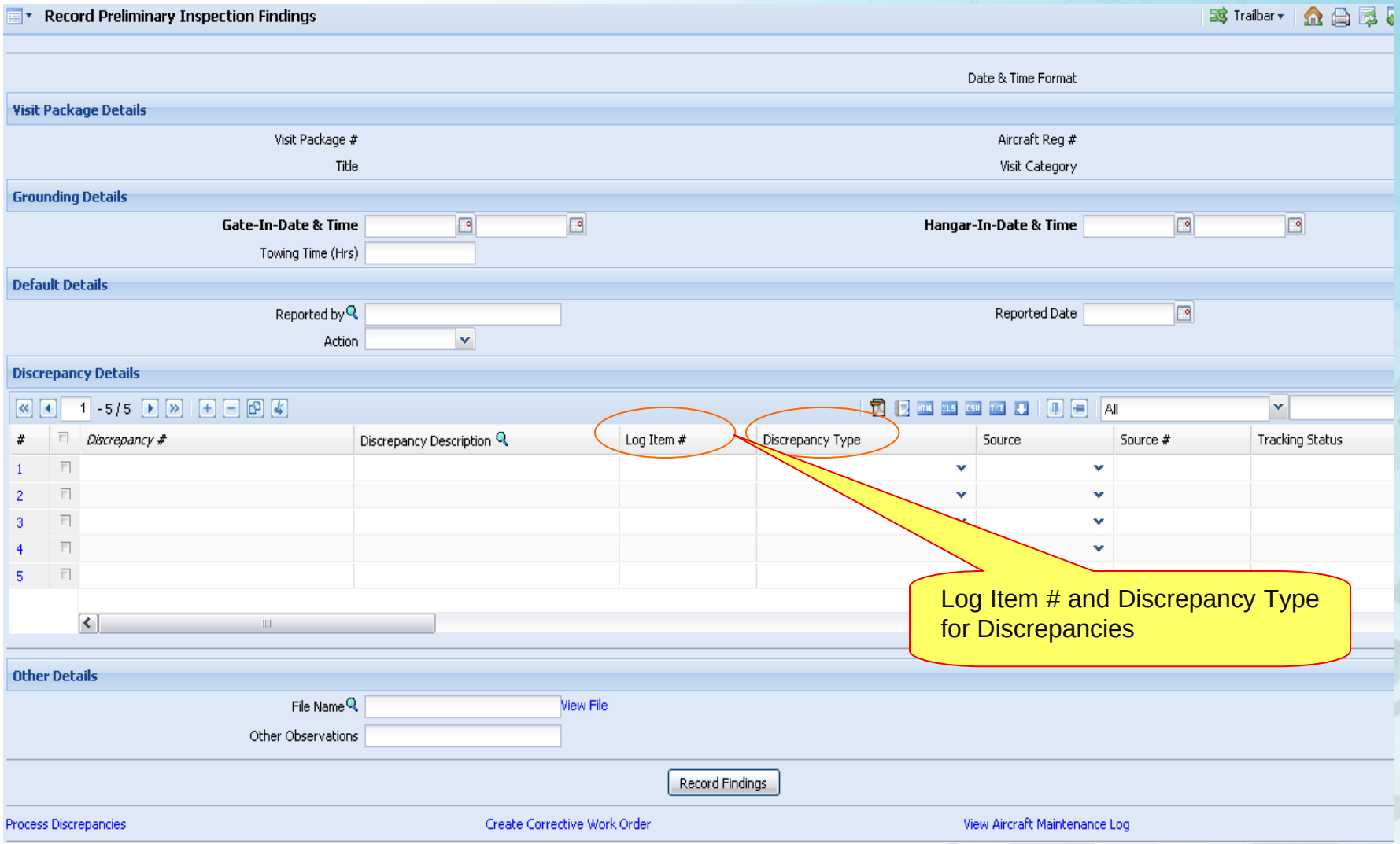


Fig: Illustrates ability to refer the log item# while recording the preliminary inspection details or recording the last leg discrepancy during hangar visit

Component Work Order

- Facility to restrict material requisition based on part effectivity definition
  - Plan / Request Material
    - Allow Force / Conditional Requisition
  - Automatic Material Requisition to ignore Not Effective and Conditional Effective Parts
    - Schedule Work Order
  - Bulk Material Requisition to ignore Not Effective and Conditional Effective Parts
    - Plan Material

Wireframe

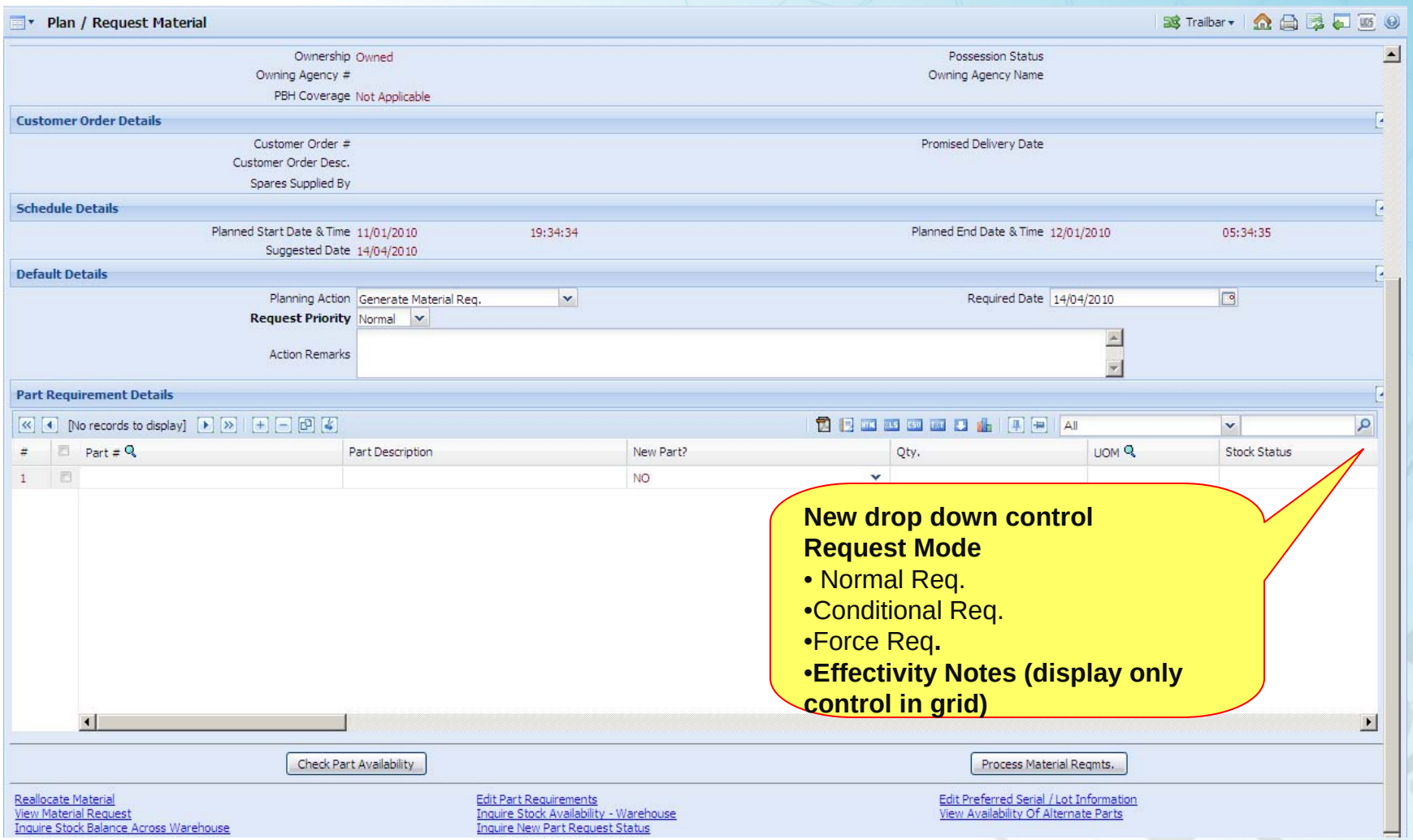


Fig: Illustrates ability to raise a force / conditional requisition from component work order

Component Work Order

- Facility to validate part attachment based on part effectivity definition
  - Record Component Consumption Information
    - Acceptance reference can be provided

Wireframe

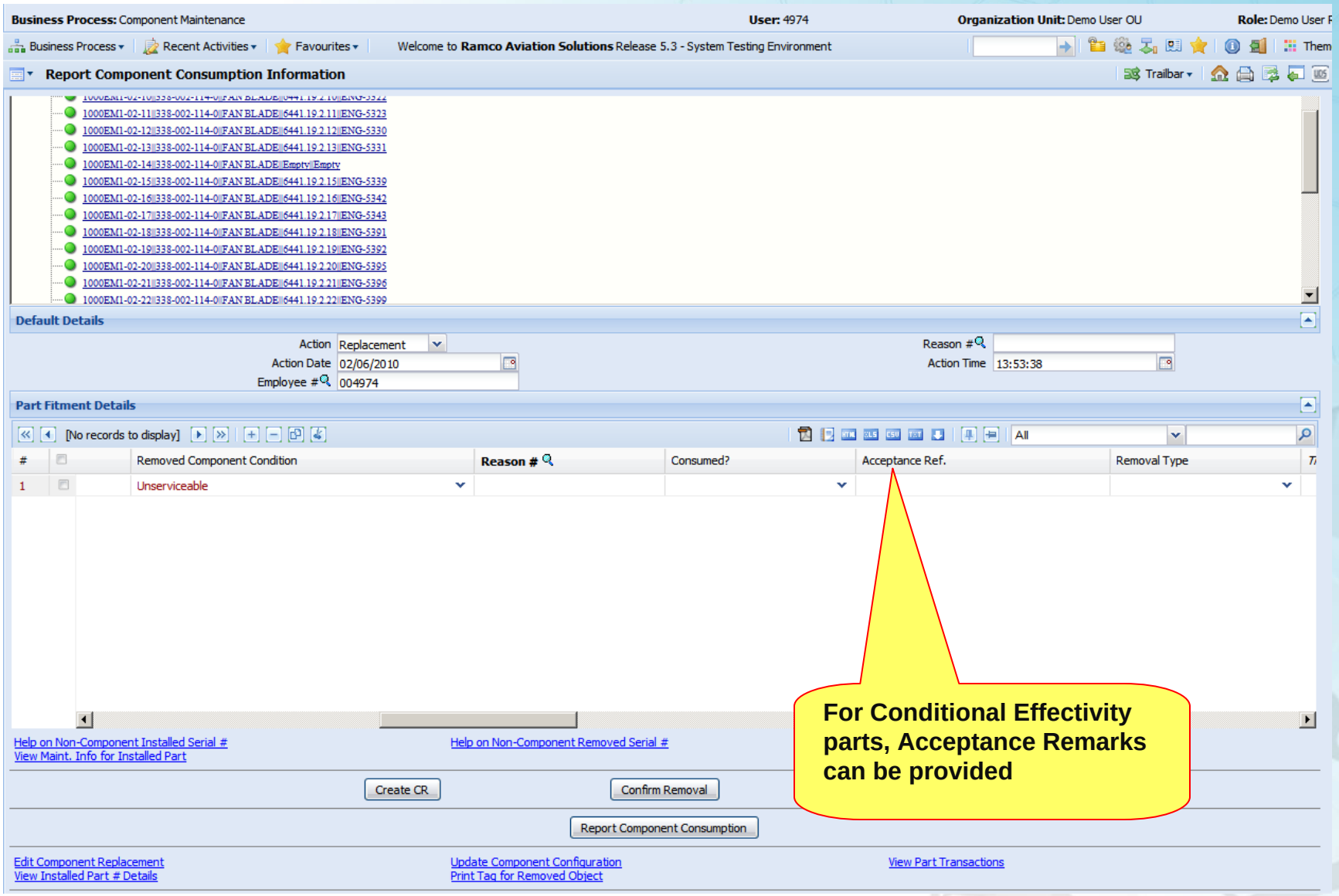


Fig: Illustrates ability to attach a conditionally effective part from Component Work Reporting Replacement screen

All Maintenance Execution Documents

- Facility to update Conditional Evaluation and Parameter Values
  - Record Parameter Reading / Conditional Form screen available from
    - Aircraft Maintenance Execution
    - Work Monitoring & Control
    - Component Work Reporting
    - Hangar Work Reporting

Engineering

Engineering Change Management

- Engineering Order
  - Feature Description
    - Facility to identify 'As Required' parts that may be required for execution of engineering document
    - Facility to the automatically display Exist / New flag, based on the validity of resource
  - Change Details
    - New column ‘Need Frequency’ has been added
    - Classifier displayed based on resource existence
    - Affected screen
      - Edit Part Requirements

Engineering Change Management

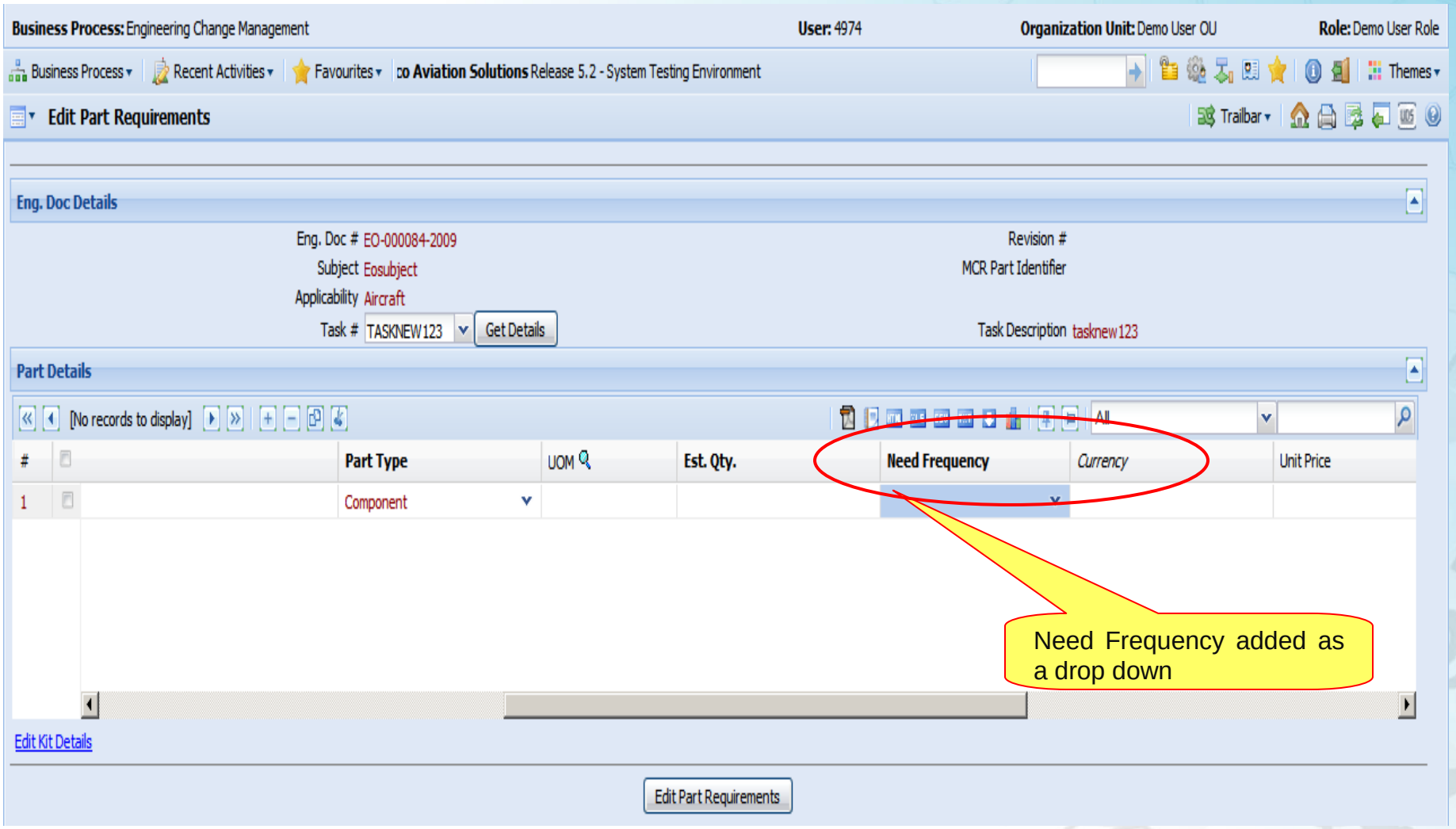


Fig: Illustrates ability to identify 'Need Frequency' for Eng. Document part requirements

Engineering Change Management

- Engineering Change
  - Feature Description
    - Facility to associate MCR to multiple engineering documents
  - Change Details
    - One MCR can be mapped to multiple engineering documents
    - Affected screen
      - Process Change Request

Engineering Change Management

- Engineering Service Request / Engineering Advice Note
  - Facility to upload documents
    - Additional links to facilitate Upload & View Document Attachments
  - Screen changes in the following:
    - Create Engg. Service Request
    - Edit Engg. Service Request
    - Inquire Engg. Service Request Status
    - View Engg. Service Request
    - Create Advice Note
    - Edit Engg. Advice Note
    - View Engg. Advice Note

Engineering Change Management

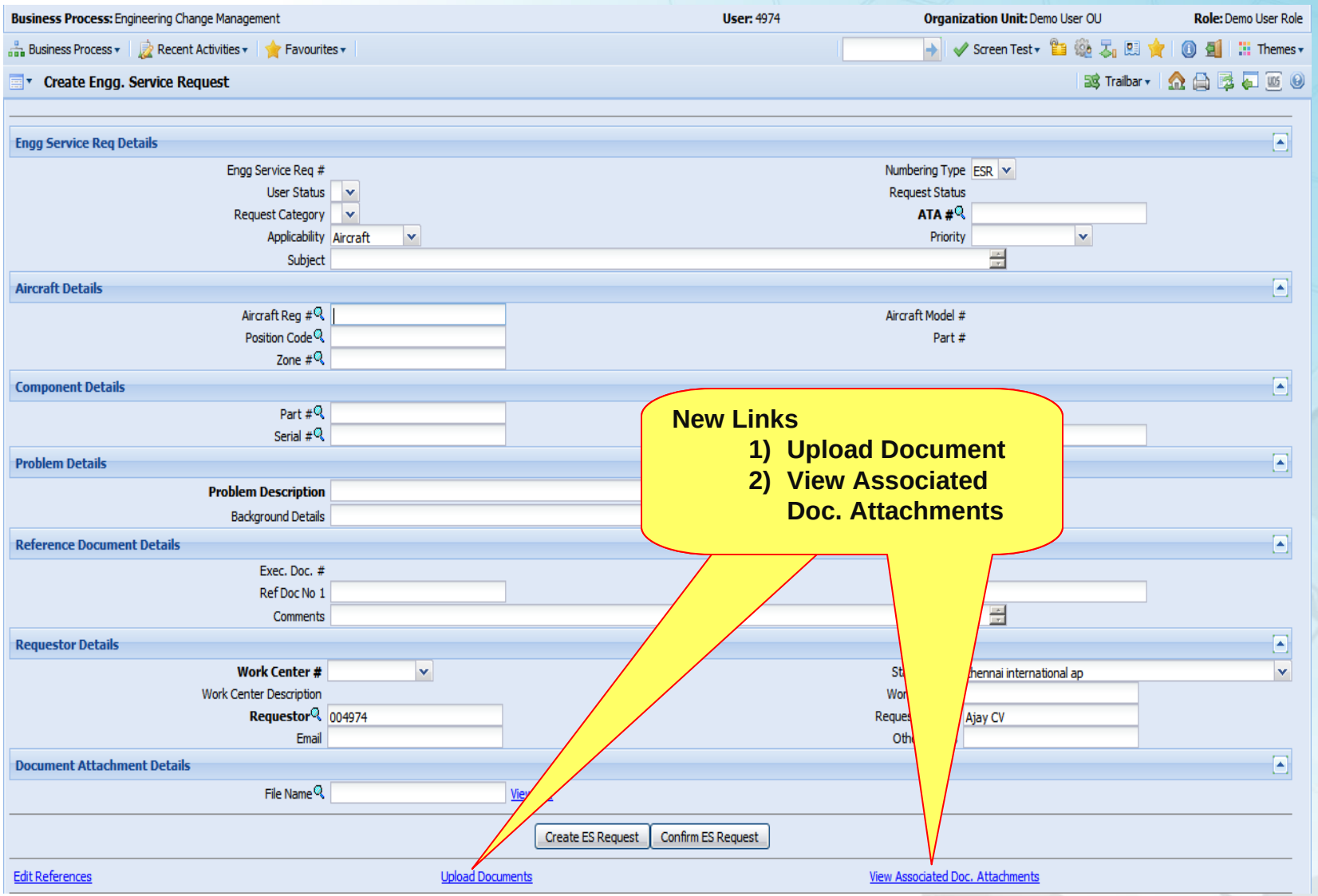


Fig: Illustrates ability to upload multiple documents referring an Eng. Service Request

Engineering Change Management

- Facility to filter engineering document compliance using Eng. Doc revisions

- Code refactoring to optimize performance

Wireframe

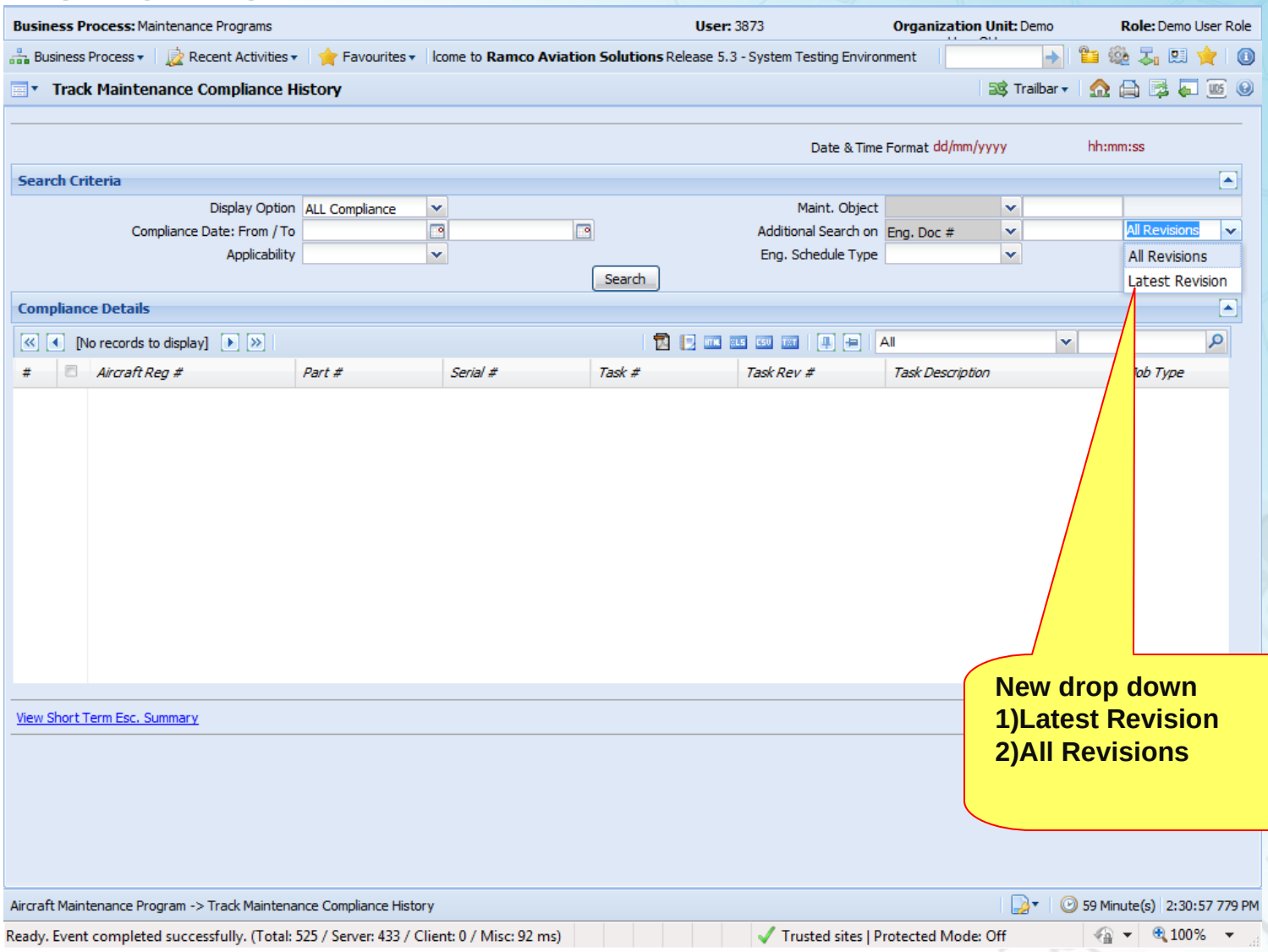


Fig: Illustrates ability to filter compliance records based on the Engineering document revision

Reliability

- Reliability
  - Feature Description
    - Enhancements in prebuilt reliability reports
  - Change Details
    - Activity: Inquire Part History Record
      - New Tree Control added to display parts, based on ATA Chapters
    - Activity: Analyze MTBUR for Parts
      - Fusion Chart added to display MTBUR values for parts, in graphical format

Reliability Enhancements

- Reliability Analysis
  - Changes in pre-built reliability reports:
    - Changes due to user defined delay categories
    - Changes due to user defined deferral types
    - Changes due to new discrepancy types viz., Cabin & Non-Routine
    - Changes due to flight day
    - Changes in rogue component reports due to SOS functionality
  - Changes in reliability reports:
    - Alignment in Report Book

Maintenance Operations Dashboard

- Objective
  - Provide a snapshot of fleet status
  - Expected to be used by Maintenance Heads

Maintenance Operations Dashboard

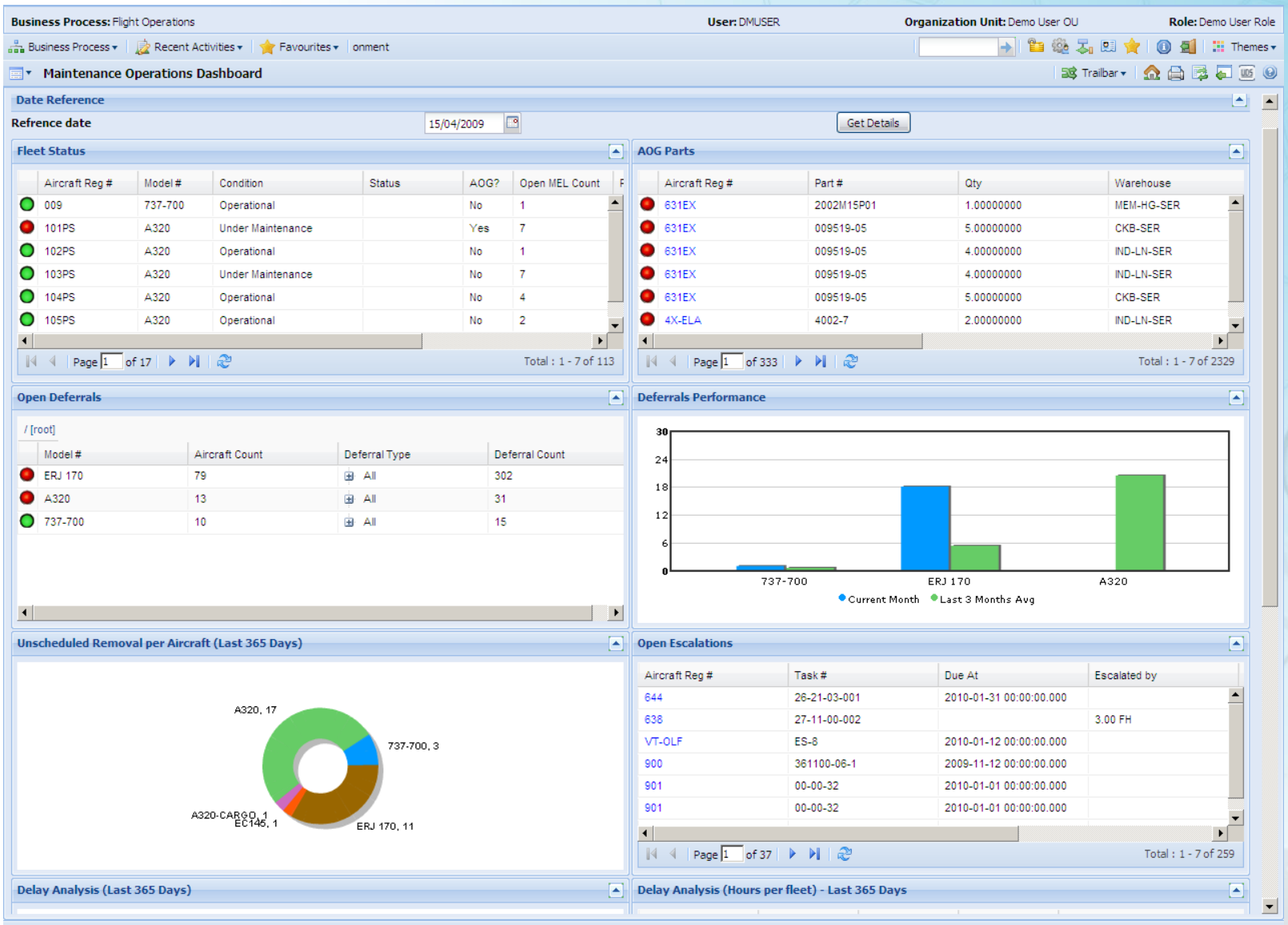


Fig: Illustrates the info displayed in maintenance operations dashboard screen

Maintenance Operations Dashboard

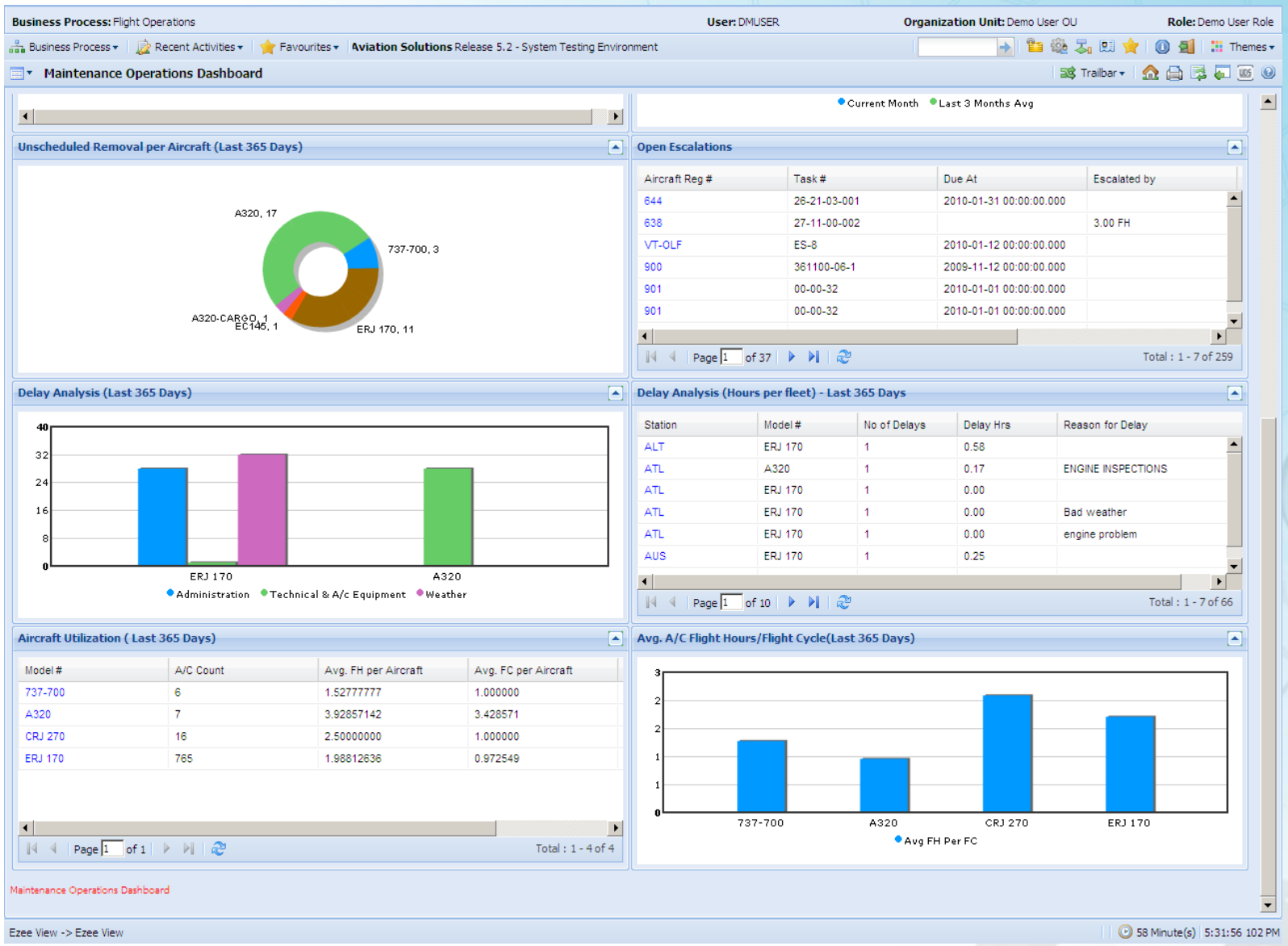


Fig: Illustrates the info displayed in maintenance operations dashboard screen

Fleet Maintenance Dashboard

- Date Reference
  - By default, the system will provide a view of last two days. User can change the reference to any previous date.
- Fleet Status
  - Aircraft wise summary of the condition and Green Time left.
- Deferrals by Fleet
  - Model wise count of deferrals reported in last two days.
- Average Deferrals per Aircraft
  - Model wise (count of deferrals reported in last two days / count of aircraft)

Fleet Maintenance Dashboard

- Delay Analysis
  - Model wise number of hours reported as delay in last two days
- Delay Analysis (data)
  - Station and model wise number of hours reported as delay in last two days
- AOG Parts
  - List of all unsatisfied AOG material requests
  - Will not show history based on reference date
- Open Escalation List
  - List of all work units that are under escalation
  - Will not show history based on reference date
- Aircraft Utilization
  - Last two days aircraft utilization (FH/FC) for each model

Sales Management

Sales Management

- Customer Order Management
  - Business Need
    - Differential pricing based on the time at which the maintenance services were delivered
  - Change Details
    - Facility to distinguish the billable work on recording of timesheet
    - Facility to support Roster code based pricing from Aircraft Maintenance Execution
      - Facility to split the time booked based on roster code, on closure of task.
      - Facility to compute the price based on roster code, at the time of task closure.
      - Facility to retrieve roster code based pricing details, for initiation invoice.

Other Enhancements

Other Enhancements

- Facility to print packages to remote printers without launching the pdf
- All activeX controls are signed
- System works with default IE settings
- MSI package for all client level installations
- MSP integration from Planning Board
- 90+ consistency queries for monitoring day to day transactions

Thank You.