

**Oracle® Hospitality Cruise Shipboard  
Property Management System**  
Release Notes 8.0  
**E84868-02**

August 2017

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# Preface

Oracle Hospitality Cruise Shipboard Property Management System (SPMS) is a program with broad functionality that supports an extensive range of integrated software modules. Besides providing cruise operators a centralized database to store all passengers and crew information, its function enables users to manage individual passengers, group travels, ship's crew, staff and temporary visitors.

## Purpose

These Release Notes provide a brief overview of additions, enhancements, and corrections implemented in this software release. Their intent is informative, not instructional. Review Cruise Shipboard Property Management System's product documentation, including technical and application advisories for previous versions, for detailed information on installation, upgrade, configuration, and general use.

## Audience

This document is intended for project managers, application specialist and users of Oracle Hospitality Cruise Shipboard Property Management System.

## Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:  
<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name.
- Functional and technical description of the problem (include business impact).
- Detailed step-by-step instructions to re-create.
- Exact error message received and any associated log files.
- Screen shots of each step you take.

## Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at <http://docs.oracle.com/en/industries/hospitality/>

## Revision History

Date	Description of Change
March 2017	<ul style="list-style-type: none"><li>▪ Initial publication</li></ul>
August 2017	<ul style="list-style-type: none"><li>▪ Corrected description of few features</li><li>▪ Updated the document template and formatting</li></ul>

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# 1

# Features and Updates

This chapter describes the features and changes included in this release.

## Administration

This release:

- Enhanced a cabin block setup validation by forcing the user to enter both Block From and Block To Date for future cruises.
- Enhanced to flag RES\_RGN\_COMPLETE at check-in to log the cabin block status for audit purpose.
- Added an Instruction Number to Emergency Stations in Muster Station setup.
- Implemented a block cabin pop up when renewing reservation in Crew and Guest handling.
- Emails push out from Safety Drill Module now supports multiple email ID, separated by ';' in Administration, Crew Setup, Operational Department setup.
- Implemented a Harbour Setup that enables input of time offset to UTC using Custom Info field.
- Added a Parameter: 'Skip Card Registration Check for Direct Auth' to disable checking of the same credit card being used when performing payment in Retail Point-of-Sale (RPOS) application and Symphony. When the parameter is enabled, it allows the use of a credit card that registered to the guest account.
- Implemented a verification on all module when performing posting to determine the last authorization whether the card is declined or not and this is applicable to debit department only, and does not apply to an online credit card.
- Added an option to check every system date change in the reports folder if there are new reports that needs uploading.
- Added to support four debit posting department in following modules:
  1. Administrator
  2. Management
  3. Advanced MICROS
  4. Web Services for Symphony

## ADPI

This release:

- Added a functionality to purge MIB, DRS, SSCI, SSCD, POS tables during System Cruise Change by x number of days specified in Cruise End Data Purge tab.

## Advance Quick Check In (AQCI)

This release:

- 
- Implemented the three new Microsoft Message Queuing (MSMQ) options for 'GetPictureResponse' and 'PictureChange' and uses existing MSMQ, if none configured.
  - Added a MARITAL STATUS field to AQCI customization tree.
  - Added a Luggage Tracking handling in Check In Wizard. The feature requires the following parameters and user access rights:
    1. Parameter: 'Wizard - Display Luggage Tracking' = 0 - no Luggage Tracking screen appear in Check In Wizard
    2. Parameter ' Wizard - Display Luggage Tracking' = 1 - Luggage Tracking screen appears in Check In Wizard before complete Check In process - ability to manually add Luggage Tag number or delete Luggage Tag, and ability to scan Luggage Tag number by barcode scanner, RFID reader (Omnikey 5321) and magnetic swipe. Track 2 data is taken as Luggage Tag Number.
    3. User access rights '#4510-Allow Authorize Check-In Hard Stop'. Ability to scan manager card (US\_BOARDCC) by barcode scanner or magnetic swipe to both device connect, and the system prompts a Manager Authorization when the user is not a supervisor. The system also logs message delivered at AQCI Wizard Manager in SQL log.
  - Implemented in Check-In Wizard (CIW) to move pre-payments/postings during the check-in process.
  - Implemented in CIW for age validation for domestic and international travel.
  - Implemented in AQCI to enable Secondary Search when scanning passport.
  - Enabled function to upload customizable smile image to CIW, Photo option. The system uses the default image when no customized image is present. The image file is upload through **Administration, Multimedia File Maintenance, Quick CheckIn File tab**, followed by inserting the XDOC\_ID of the image file in Parameter: 'Advance QCI, Wizard Smile Image setting'.
  - Implemented Chinese name fields to Immigration screen in CIW.
  - Added new Parameter: 'Wizard, Nationalities With Chinese Names, default values = CN, HK, MO (China/Hong Kong/Macao)'. When the parameter is =1 and has:
    - Countries listed and nationality was not found in the parameter, both CHINESE FIRST/LAST NAME field are hidden from the Immigration screen.
    - If the nationality matches the countries listed, the system validates to ensure the Chinese first/last name is compulsory or not.
    - If the nationality is China and the document type is Passport, then it prompts the user to select and confirm the nationality listed in the pop screen. If the user chooses CN for China, then the name fields remain on the Immigration screen otherwise the nationality field changes according to user selection and the document number and expiry date field resets for new entry.
  - Enhanced to fulfill the Travel Visa requirement for HKSAR nationality by prompting user a nationality to select when swiping the travel document for nationality defined in Parameter: 'Advance QCI, Confirm Nationality for China Passport Holders'.
  - Enhanced a user access right to manage editing of first/last fields in Immigration screen and prompt for a supervisor to swipe their card when the user is not granted with right '#4510 - Allow Authorize Check-In Hard Stop'.



- Implemented the display order of guest in Search Criteria to display the swiped card first if more than one record returned.
- Enhanced the duplicates credit card handling in the CIW to check for an active card with same expected embarkation date, and to display guest information when duplicate card is found.
- Enhanced to allowed the user to specify the maximum hours allowed for deck space fixed price ports, by entering the maximum hours in Parameter: 'Ferry, Maximum Deckspace Hour'. When the selected embark/debark port matches the defined deck space fixed price ports and duration, the system then displays the deck space fixed price. In previous version, user was not able to define voyages with x duration as short voyages and deck space prices is available to all voyages with embarking/disembarking in port listing.
- Added a functionality to enable/disable **Encode Door Card** button in AQCI when the application was not connected to Ving Card interface.
- Added the ability to print set sail pass by clicking on booking number in the search screen for checked in guest.
- Added a new parameter to prevent Chinese names being entered with invalid characters, such as @,^,&,\*.
  - Advance QCI, Invalid Characters For English Name
  - Advance QCI, Invalid Characters For Chinese Name
- Added new fields to display cabin category and dining information as read only. AQCI, Display Cabin Category and Dining information in Personal Details Tab below the Address Details.  
To View the 2 fields (Cabin Category and Dining information) in Management Module  
Management, Cashier, Guests, Add New Reservation/ Edit Information button = Name & Reservation Tab  
Also added a package tab, which is only visible with Four Tabs and Ferry Mode setup.
- Implemented a change in CIW only
  1. Capability to enter UXP\_H\_EMAIL & UXP\_H\_EMAIL2 from CIW
  2. Email changes will log with LOG\_KEY = 'EDTEML'
- Implemented changes in DB Installer & AQCI Check In Wizard
  1. Added new Parameter: 'Advance QCI, Wizard,Prompt Promotion Eligibility'.
  2. The 'Promotion Eligibility Notice' only prompt when res\_promotion NULL and PAR (Advance QCI, Wizard - Prompt Promotion Eligibility) set to 1.
- Added a new National ID and FIN Number to capture from Singapore Work Pass in Check-in Wizard immigration form for Singapore clearance requirements.

## Alcatel 4400 PBX

This release:

- Added a multi occupancy and guest mode handling in Guest Management Mode.

- 
- Changed the GPIN (a unique pin generated by Alcatel) handling to be compatible with the OmniPCX Enterprise by using GPIN obtained from OmniPCX Enterprise.

## Board Card Print Manager

This release:

- Now supported remote RFID board card printing.
- Added an Axxess Printer in Card Printer selection in Print Board Card Manager to support of remote card printing.

## Cashbook

This release:

- Added a user security '#4663 -Allow To Change Currency in Cashbook' with default currency selection to prevent the user from changing the currency in Pay In/Pay Outs.

## Credit Card Transfer

This release:

- Moved sDelete.exe to Public Folder and distribute by OHCSPPMSUI .dll if not found. In previous version, the sDelete.exe was downloadable from XAPP table.
- Implemented a PA-DSS compliance functionality Secure Deletion Methodology into the SPMS program.
- Resolved the refresh issue on Create Authorization File screen. This fix is only applied to RCCL credit card format.
- Enhanced to allow recreate/reset DCC settlements including non-DCC cards format.
- Enhanced to obtain the authorization amount based on the number of days onboard for HAL card format.
- Implemented the system to write into AUF table whenever authorization file is generated. When reading the response file, the AUF\_READ updates to 1. New menu in Credit Card Transfer to view all the authorization file generated when they are not read back. These changes applies to PAPAGENA credit card format only.

## Crew

This release:

- Implemented a crew charges balance forward during system cruise change, zero folio out and re-open with balance forward shown on the next cruise.
- Added a handicapped information for crew and staff to be in the selection list when adding/editing reservation.
- Enabled a print invoice in all status. For check out status, it prints past invoices.

- 
- Renamed a wording to Crew Search field from Name/Cabin to Name/Cabin/E#/ID#
  - Implemented a new Parameter: 'Safety, InPortManning (IPM) Enable One Crew Assignment per Group' to prevent multiple assignments in IPM group. When Parameter is enabled, Crew is not allowed to have multiple assignments of IPM group. The system prompts to replace the crew original assignment with the new assignment IPM group.
  - Added an Operational Position/Manning Number column in the In Port Manning Scheduling screen.
  - Implemented a Courses and Certificate grid to automatically insert the value of the Certificate number and Trainer's credentials, when the auto accreditation is done through 'Quick HBST Courses Validation'. The value of the Certificate no. mentioned is a combination of Ship code, Date issued, Course short code and Employee ID, and the Trainer is the user who signed in to Crew.
  - Enhanced to change UXP\_C\_BKPASSPI to VARCHAR(50 bytes).
  - Improved the Hotel Basic Safety Training (HBST) processing by updating the VIEW FIDELIO.CRW\_CERTDONE. This process enables the 'Type' selection of either Course, Certificate or Language in Master Certificate dropdown list in Administration module. It enhances the view of master course 'HBST' in Crew's Courses & Certificates Completed grid in Crew module. A Quick HBST CoursesValidation added to Quick Functions menu in Crew module and this function automatically sets the accreditation to HBSTcomplete, when the user completes the corresponding child certification.
  - Disallowed the Trainer of the course/cert/training from granting themselves in 'Assign Course Done'. Trainer of HBST was prohibited from auto assigning HBST cert in 'Quick HBST Courses Validation' process, even though crew has completed the entire child certificate assigned in HBST.
  - Added a date editor for Company Original Join Date, Sign-On and Expiration column in crew handling.
  - Added a new user access '#4636 - Allow to Update Company Original Join Date' to enable editing of Business Date of Hire field in Addresses/Other Info tab.
  - Implemented a Sign off code to default to "NSH" (a code that indicates no show) code when marking reservation as Mark No show.

## Data Import

This release:

- Added a flag to delete SEC records during import when records has an old entry.
- Implemented a Data Import function to support import of Excursion 'VAT Posting Split' for both Template and Bookable Tours.

## Database Installer

This release:

- Added a trigger 'TR\_RESERVATION\_MSGS\_INS\_BEF' in DB Installer to create data into the reservation\_msg table.

- New user rights for iCrew added using DB Installer instead of scripts.
- Added new fields CRD\_DCC, CRD\_PARCELADO, CRD\_TOKEN into CC1 view to support credit card import.
- Added a Cabin Clean status to GetCabin function in Web Services.
- Added a new index DNP\_I2 ON DNP (DNP\_ID) speed up synchronization process for IslandPOS Sync.

## DGS Resonline

This release:

- Added a new mapping field FLIGHTS\_CLASS to AIL\_CLASS with a maximum length of 20 characters.
- Added a NULL value handling in data import.
- Enhanced to fetch Crew Pictures sent from JD Edwards (JDE) system when FMS Web Services address is not setup.
- Added a new enhancement for transferring data of Boarding Location to ship.
- Enhanced to allow SPMS to receive changes to amenities and flights when guest has a back-to-back reservation and disable recreation of checked in guest.
- Added a new mapping field for RESERVATION\_LEG\_TIER\_LEVEL to LEG\_TIER\_LEVEL.
- Disabled the update of bookings in SPMS after a defined time on embarkation day.
- Updated the ESE\_ENABLE to "Y" when EXCURSIONDEF\_ENABLE is NULL and does not exist in XML node.

New mapping fields added into the XML file:

```
EXCURSIONSDEF_SELL_KIOSK = ESE_SELL_KIOSK
EXCURSIONSDEF_SELLCHILD_KIOSK = ESE_SELLCHILD_KIOSK
EXCURSIONSDEF_ENABLE = ESE_ENABLE
```

- Implemented a new change to reject Photo if photo exists in SEC table for UCIData.
- Corrected the behavior to disallow duplication of PDA\_DIS\_DATE and PDA\_NAME in DGS ResOnline.
- Enhanced to include Event and Spa module to new mapping fields for DGS Resonline import.
- Enhanced the function to import maintenance tasks from shoreside SPMS Configurator to the ship using a XML file.
- Added a new mapping for RESERVATION\_B2B to RES\_B2B.
- Added a new option to allow user defined number of hours to keep the Credit Card Buffer (CCB) in CCB table.
- Added a new mapping for RESERVATION\_ALLOW\_CHECKIN to RES\_ALLOW\_KIOSKCHECKIN.
- Added new mapping fields to determine whether the guest has completed an Online Check-In.
  - For ACCOUNT\_AQCI\_COMPLETE = 0 or Y, UXP\_ONLINE\_CHECKIN field in SPMS is flagged as 1.
  - For ACCOUNT\_AQCI\_COMPLETE 0 or Y (any other value like Null, N or 1), UXP\_ONLINE\_CHECKIN in SPMS is flagged as 0.

- Enhanced the function to import report and user from shoreside SPMS Configurator to the ship using a XML file.
- Enhanced the function to use Reservation Embarkation Estimate date as Gift Card Effective date through ResOnline when ID is the same as data imported from an external system. Otherwise, Reservation Embarkation date is used.
- Implemented the ability to import currency rates from shoreside SPMS Configurator to the ship using a XML file.
- Enhanced to include Ticket module table TKPO, TKPW, TKTE, TKBE, TKPT and TKPB into DGS ResOnline mapping.
- Implemented the ability to import vendor information from shoreside SPMS Configurator to the ship using a XML file.
- Added a new field mapping RES\_MANIFESTNOAUTO to RES table.
- Added a new mapping RESERVATION\_REG\_DCC to support Dynamic Currency Conversion in Credit Card RegistrationInformation table. The acceptable value in XML are Y, N, 1, 0 and applicable to UCIData message type only. The function requires Parameter: 'General, Enable Credit Card Dcc' to be set as 1.
- Added a new field mapping RES\_NOBATCH\_INVOICE to RES table.
- Enhanced the eONE function only to update 'Emergency Number from JDE, when crew's reservation status is either Checked-In or Leaving Today.
- Added a new mapping field ACCOUNT\_CURRENCY as RES\_CRUISE\_CUR.
- Added a new mapping field to include Main Group, Sub Group and Location Image, and ability to set a default value for an item available from/to date.
- Implemented the DGS Resonline to auto restart when working memory usage is more than 500MB.
- Added an error message for missing credit card number when importing credit card data.
- Added a new table itinerary and luggage tag to transfer to DGS ResOnline.
- Added a transfer of RESERVATION\_INSURANCE\_NO to UXP\_C\_INSURE.
- Implemented a split to two different executables, on eOne and on DGS Resonline. Introduced multi threading for more efficiency and moved picture fetching for JDE to a background thread.
- Ability to decrypt credit card number with Pretty Good Privacy (PGP) Key rotation.

## DRS

This release:

- Implemented a new interface program to support Membership handling through WebServices. PC running this interface must have .NET Framework 4.5.1 installed.

## eOne

This release:

- Added new mapping fields to eOne Interface in these respective tables.
  1. EmployeeInfoMsg

- 
- Salutation (UXP\_A\_SALUT)
  - 2. AddressMessage
    - MobileNo (UXP\_H\_MOB\_TELNO)
    - Email2 (UXP\_H\_EMAIL2)
  - 3. EmergencyContact
    - Mobile (UXP\_H\_CONT\_MOB\_PHONE)
  - 4. SeamansBookMsg
    - BookIssuePlace (UXP\_C\_BKPASSPI, VIS\_PLACE)
  - 5. VisaInformation
    - Birthdate (VIS\_BIRTHD)
    - VisaValidityFrom (VIS\_VALID\_FROM)
  - 6. JobInformationMsg
    - DateJoined (UXP\_C\_JOINDATE)
  - 7. TlcInformation
    - Trainer (TAK\_TRAINER\_COMMENT).
  - Added to support Schedule Change Type status 'CNCL' for canceled reservations.

## Event

This release:

- Implemented the ability to create events for Groups or individual guest.
- Added the functionality to allow multiple groups to attend the same event.
- Enhanced to add reject approval reason.
- Enhanced to add user security to the pending approval button.
- Enhanced the search capability to search for the person responsible in Event Booking screen by cabin number or name.
- Prompted a validation check icon after the **Save** button is clicked.
- Enhanced the Location Filter in Events Management.
- Enhanced a Validation check for item price setup.
- Added an **Auto-Refresh** button to facilitate the update of changes made by the user in Location/Item/Packages Setup.
- Added a functionality to allow the user to upload multiple photos of the event location.
- Implemented a control to disallow deletion of event data such as Item, Location, Package and Event Booking when booking made from Shoreside and Delete is disabled. The user is only allowed to delete event data created on-board.
- Added the ability to add/edit available date from/to base on voyage ID in Item Price Setup.
- Added the Main group and Sub-group functions to Group Profiles, and ability to add/remove delegates in main or sub group. Assigning or unassigned a group leader into the group or sub group allowed.
- Allowed the multiple main groups as sub group assignment into an event.
- Added a **Remove Image** button to the menu bar in Items setup and enhanced the deletion of item's image using this function besides using right-click to delete the item. A Dustbin icon also was added to Item Price setup grid, enabling row record to be deleted.

- 
- Enhanced to flag add/edit data from ship to update `xxx_xml_created` (`xxx=field name`) field value to '0'.

## Event Viewer

This release:

- Included an event creation of new port into LOG table and viewable from Event Viewer.

## General

This release:

- Enforced user to change the password when upgrade to 8.0 to comply with PA-DSS standard.
- Added an Occupied Cabins column in the SCD table for reporting purpose.
- Dropped the Emergency Number (EPlan) and cabin number when checking out crew members.
- Added a field to input Emergency Phone number in Muster Station setup that enables multiple phone numbers to be entered using a comma separator.
- Implemented a Luggage Quarantine enhancement with a function script change.
- Removed the Parameter: 'Admin Domain', 'Admin Password' and 'Admin Name' under MMSystem group.
- Implemented the Send Email function to allow modification of email subject, body and attachment name.
- Implemented the ability to reset password through email notification.
- Added a user security '#4999 - Access to Secure Server' to restrict the user to download the OHCSecurity.par file from Secure Web Service.
- Added an OBID Reader to support Ultra Light C (ULC) and MIFARE chips.
- Added a ULC and Mifare support on Tablet NFC Proximity Reader.
- Added a new field `UXP_A_OTHFSTN` to support Chinese First Name.
- Enhanced to support lock encoding handling for registration of card in Advance Quick Check module for the ship and offline shore database.
- Enhanced to support encoding of DesFire RFID card on Track 1 and Track 2 of customized Application ID `'&H4C4344'`.
- Added the support for Axess Printer handling including erasing and recycling of a thermal printed board card. Usage of this function requires user access rights `'#890 - Print with Erasure'`.
- Prompted a confirmation box when user double-click the Guest/Crew onboard/Shoreside function to change the boarding status in Management and Crew module.
- Search on all account forms now supports Radio Frequency ID (RFID).
- Enhanced the report print/preview/export handling to prevent memory leak and performance lag.
- Excluded the Card Value from the receipt printed on MICROS when the Gift Card (GC) is Activated. This affects both Purchase GC and Activate Prepaid GC.
- Supported a Visionline Common Door access for crew.
- Supported a DesFire RFID card encoding on Track 3 for OmniKey devices.

- 
- Enhanced to support new printer type Zebra ZXP 3.
  - Changed the Track 1 encoding for DesFire card from decimal to string.
  - BIO (Biometric) converted as a common reader in SPMS.  
It requires latest Wrapper.dll to work. And also work in Login screen and Login F8 screen where the crew can login by scanning fingerprint instead of entering login id and password.  
The sign in will be successful when the fingerprint is matched. If it is not matched, it will remain in sign-in screen.  
The Session timeout form does not support biometric.
    - For login to work, the user need to link the crew to the login user in Launch Panel, User Security, locate the user login name and link to a Crew.
    - Finger Print Enrollment in Time Attendance Terminal or Crew.  
Refer "HCSP-678 - add biometric support to T&A terminals" for details on how enrollment can be done and setup of the fingerprint reader.
    - All enrolled fingerprint and crew details saved into BIO table in database.  
Housekeeping of BIO table is based on ADPI, Daily Data Purge tab, Crew Account Details (days) value.

## GL Accounting

This release:

- Added a special code as value for General Ledger Account Number. Require configuration in Parameter: 'General Ledger, GL Accounting Type'.

## HouseKeeping

This release:

- Enhanced to enable report printing from Cabin Overview function.
- Changed the behavior of the cabin clean state to update from Vacant Clean (VC) to Occupied Dirty (OD) status upon guest check-in. As for other cabin movements such as cabin change and check-out process, update of cabin clean state is dependable on the value set in Parameter: 'Housekeeping, Bypass Change of Cabin Clean State Upon Check-Out', and this change only applies to Ferry Operations.
- Added new user rights to manage Cleaning State Color Setup in Housekeeping, General Setup.
  - #4665 General Setup
  - #4666 HouseKeeping Status
  - #4667 Task Type
  - #4668 Cleaning Task
  - #4669 Grouping of Task by Status
  - #4670 Cleaning State Color

## Launch Panel

This release:



- 
1. Implemented the bypass updater input key change from SHIFT key to ALT key. Only ADMIN group is allowed to skip the Updater.
  2. Implemented the ability to display the total vehicle embark to ship today , total vehicle disembark today, total vehicle currently onboard and total vehicle embark to ship today in Port Information.

## Maintenance

This release:

- Implemented
  1. User Security restriction added for #4690 - Allow Edit Work Order Comment.
  2. Added a new Parameter: 'Maintenance', 'Maintenance Work Order Details Required Field' to specify mandatory field for work order details using comma delimiter separator. For example, MWR\_REPORT\_BY, MWR\_TASKDESC to define the compulsory field for textbox field. Values are MWR\_REPORT\_BY, MWR\_TASKDESC, MWR\_COMMENT, MWR\_WONUMBER

## Management

This release:

- Added a Maximum Capacity Validation in non ferry operation.
- Enabled the 'Award Level' label as user definable field, configurable from Administration, Administration, System Setup, Labels Setup, WORD22 Award Level. Function involves are Management, Edit Information screen and Advance QCI.
- Added a new box 'Do not allow update through DGS' in Management, Edit Guest Information, Address/Other Info tab, Other Info section to handle information from being updated by DGS ResOnline. Once this box is checked, information update through DGS is not permissible and system return a message 'Update disable through FC Management (Unique Guest ID = xxxxxx)' during DGS update process. This enhancement applies to guest regardless of their booking status (Expected, Checked In, Cancel, No Show and Leaving Today).
- Enhanced to include Gross column in System Account, Invoice tab.
- Added a support for VeriFone VX680 to register a credit card.
- Added a handling to show restaurant reservations from Silverwhere in the Activity Viewer tab.
- Implemented to display last 4 digits of credit card imported from DGS ResOnline.
- Implemented the ability to enter 'M' in the Number of Entries field in the Travel Document details.
- Added a user security for Transfer Money option in Cashier Session. Only user with access right has the ability to transfer money. User right #4682 - Ability Transfer Money.
- Implemented Event log: Added Open Cashier Session, Close Cashier Session and Money Transfer.

- 
- Added an entry log Open Cashier Session and Closing balance to Event Viewer when user opens their cashier session in Management and Currency Exchange module.
  - Added a new field to include Type of Guest, Profession and Resident info in Previous Reservation screen.
  - Added the **Apply** button in Cabin Status change screen to save the changes without exiting the screen.
  - Implemented a new Parameter: 'General, 'Passport without First Name Replacement' and 'General, 'Passport without Last Name Replacement'.
  - Added a new LOG entry for manual change of onboard status through **Edit Information** button.
  - Added a New User Security rights for #4692 - Allow Future Posting and #4693 - Allow Actual Posting.
  - Added a user right #4694 - Allow To Change Overnight Shoreside Flag for existing field 'Stay Overnight Shoreside'.
  - Added a support for Chinese character input and display for place of birth and passport issue place.
  - Enhanced to allow deletion of pending pre-posting. Function requires additional PAR 'General','Allow Delete Pending Pre Posting' and User Right #4639 - Allow Delete Pending Pre Posting.
  - Added a drop-down selection for RFID Board Card Print Manager Mapping.
  - Added a PPP\_ASSIGN\_DATE to track when the package is assigned. The ppp\_assign\_date is populated using a trigger, all old Package Plan Posting (PPP) remains null. Changed the Package grid to show the assigned date.
  - Implemented a behavior of RES\_BOARDCC not to change when renewing a reservation for Resident guest.
  - The module now supports a second card reader.

## MobileSync

This release:

- Added a new column MOB\_DEVICE\_GUID to MOB table in both SPMS and FCMobile schema and column MOB\_SERIAL\_ID is changed to NOT NULL.
- Added a full sync command on date change.
- Added a condition for guest to synchronize to FCMobile schema.
- Enhanced the time zone change logic in Mobile Sync module.
- Added a new column to FCMobile Schema for information update purpose.
- Allow a table synchronization by product group.
- Added a new Parameter: 'Mobile, Allow to check-in RE/RR person' when onboard to Fidelio schema, to support mobile check-in application. The parameter is synced to FCMobile schema through Mobile Sync module.
- Included a No Show guest into FCMobile schema synchronization.

## Package Plan

This release:

- 
- Enable the user in search function to search guest by their First Name.

## QCI Sync

This release:

- Enhanced a synchronization process to send small data packets every 5 seconds per records over low network bandwidth.
- Added an Index for RES\_QCI\_RFID\_ID to Shore DB during offline sync to speed up the search process.

## Quick Encode

This release:

- Added a support to send Check In (CCE) command for blank RFID card to Ving System.

## Remote Manifest

This release:

- Converted Shipboard Data Exchange and Remote Data Exchange to .NET in order to support PGP file encryption. Renamed the Remote Manifest Update to Remote Manifest to Microsoft Windows User Account Control compliance.

## Resonline Viewer

This release:

- Implemented the ability to show configurations data import that imported through DGS Resonline.

## Safety Drill

This release:

- Replaced the Column Lifeboat with Column Survival C raft Function.
- Enhanced the Survival Craft Exceptions for checked-in crew only.
- Saved a search selection for each course.
- Enhanced the Rejection Template in Safety Drill Overview as label and categorized as REJTEM label group in Administration.
- Added an email content when sending Scheduled Drill email to department heads.

## Ship Transf

This release:

- 
- Added a secondary web service URL functionality for Ingenico credit card format when primary web services URL is down to be able to switch to secondary URL.

## Shore Excursion

This release:

- Implemented a New Parameter: 'Excursions', 'Ticket Summaries' check buttons default selection added to handle the check box behavior of Payer & Buyer in Batch Printing & Exporting window.
- Reintroduced a column filter and drag features to Batch Ticket Printing & Exporting.

## Spa

This release:

- Added a feature to allow Make Bookable & Show in WEB CLIENT flags for retail items and spa packages.
- Enhanced to link Treatment Groups to Spa Locations in Kiosk/Spa and Spa Web Services.

## Ticket

This release:

- Enhanced to provide designing of seating chart by location, layout and level, supports seating assignment by single or multiple seats, zone, type, price category, price group and at time of ticket purchase. Also added compatibility to check pre-booked/prepaid tickets with their seat assignment when importing data from DataImport, and requires Parameter: 'DataImport', 'Enable Fixed Seating' availability check to be enabled. Additional User Access Rights were also added to this module:
  - #3305 Locations Layout Designer
  - #3311 Fixed Seating Bookings View Colors Setup
  - #3340 Copy Layout Template
  - #3341 Add New Layout Template
  - #3342 Delete Layout Template
  - #3343 Add New Level
  - #3344 Delete Level
  - #3345 Insert Seat
  - #3346 Delete Seat
  - #3347 Create Seat Series
  - #3407 Fixed Seating Layout and Bookings Overview
  - #3426 Edit Assigned Seats
  - #3429 Fixed Seating Layout and Bookings Overview
  - #3436 Edit Assigned Seats
  - #3467 Edit Assigned Seats

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## Time Attendance

This release:

- Implemented the Payment Type filter issue on broadcast messages in Time and Attendance.
- Enhanced the auto row height functionality in Schedule Maintenance Template window in Roster Setup.
- Enhanced the crew not onboard appears in the non-scheduled window.
- Added a user security access right #4656 - View All Outgoing Messages.
- Removed an old Parameter 'Allow to Filter Crew by Payment Type' by running DB Installer.
- Implemented a new enhancement to allow change PINCODE in the Time and Attendance Module.
- Added a new window to display a list of crews that require changes in their working hours.
- Added a **Select/Deselect All** button to Mass Approvals of crew hours in clock-in/out mode. Require Security access #3172 - Approve/UnApprove Hours.
- Added a display of crew picture in Time and Attendance Roster Daily and Crew Overview screen.
- Enhanced to allow the user to customize words 'International Labour Organization (ILO) references in GUI.
- Added a Parameter: 'Time Attendance\Past x Days Crew Can Request Approval Change' to allow cruise operator to specify the x number of the days in the past where the crew is able to look back to approve or change his schedule. This setting enables Crew to scroll back up to x days in Approve My Daily Hours screen in Time Attendance Terminal.
- Implemented a Manual Clock In/Out function that enhances to prompt a warning message, alerting the user of the previous or next activity when manually entering a Clock In/Out activity.
- Added a Parameter: 'Time Attendance\Enable Batch Clockin/Out' and user security rights #4686 - Batch Clock-In/Out to allow user to post to past or future batch clock-in/out in Clock In/Out mode. Menu and access to Batch Clock-In/Out is enable/disable based on the parameter set in Administration module and user access rights assignment.

## Time Attendance Terminal

This release:

- Enhanced to enable/disable the **Manual Clock In/Out** button on the Time and Attendance Terminal.
- Enhanced all main option buttons label to be user definable.
- Implemented a new enhancement to allow create a preset message that sends to crew using broadcast.
- Enhanced the Time and Attendance Approval screen and a new screen was added to show Crew's current day activities.
- Enabled a manual Clock In/Out for certain users.
- Added a biometric support to Time Attendance Terminals.

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Tested on Thumb Print Reader Model : DigitalPersona U.ARE.U 4500.

Need to install SDK that comes together with Reader.

- Enhanced to support crew sign-in using biometric fingerprint device at Time and Attendance Terminal and additional setup is required.

## Tools

This release:

- Enhanced the current safety setup import processes where user is able to choose:
  - If the import file contains new and old record, then the system will only import those new records and skip the old records.
  - If there is no interlink data between tables, the system will wipe off all the data in the existing database.

## Track It

This release:

- Implemented a new feature, added to enable items to return/collect in batch through Quick Collect, Quick Check Out and Quick Return screen. These functions are designed to handle item collection and return in batch instead of individually, for example, passenger passport collection or return.

## Universal

This release:

- Added an onboard status change trigger.
- Enhanced to include server number from third party system into POS table for reporting purposes.

## Updater

This release:

- Implemented a new Updater, Updater Agent and Updater Watchdog.
- Enhanced all the applications not to check User Access Control.

## UserSecurity

This release:

- Enhanced to setup an email address for each user for Event approval purpose.
- Implemented a user access #4640 - Show Billing Address and Travel Agency to control the access hide/unhide of Billing Address and Travel Agency Information in More Guest Info tab.
- Added a new user right #4641 - Allow Reset Boardcards to control access 'Reset Boardcards' in Administration, Change Disembark Date/Change Embark Date.

- 
- Added a new user right #4434 - Allow Overwrite Ashore Denied to enable the user to manage Ashore Denied List at user group level instead of solely at the Parameter level.

## Ving Vision Door

This release:

- Added an option to activate Ving encoding based on different embarkation ports.

## Visionline Door

This release:

- Enhanced to support offline mode with Visionline Door system.
- Added the ability to pre-allocate space for Visionline Door key in Mifare Application Directory (MAD) when personalizing the card.
- Enhanced the registered door card handling to ensure Visionline Door receives encoding notification as soon as a card of CCE type is issued and captured in Ship DB, regardless whether check-in has happened or not.
- Implemented the card replacement handling for Offline Door Lock is enhanced to exclude Check-Out (CCG) message from being sent to Ving System, preventing previously issued cards to be invalidated.

## WPFDash

This release:

- Enhanced the search function to enable the user to search guest by their First Name.

## WPFSecurity

This release:

- Implemented the ability to scan set sail pass on embarkation day only.
- Enhanced the interval time on RFID reading at the gangway.
- Added logging for security alert overwrite and unknown SetSail pass.
- Added a Parameter: 'General', 'Open Balance Check' and 'Gangway', 'Enable Auto Quick Balance' to handle credit balances verification at Gangway for guest with a credit card on file.
- Enhanced to allow customizable pop up messages and add all message pop up to under labels setup.

## Web Services

This release:

- 
- Enhanced the overall performance and to reduce the memory used.
  - Implemented a new Infogenesis POS 430 interface.
  - Rectified the trigger on IG POS Offline Mode.
  - Added a field `AQCI_MOBILE_ACTIVE` and default value is 1.
  - Implemented the ability to send 'RegisterRfidBoardCardQuery' before a card re-encodes.
  - Implemented the ability to update `RES_REMARKS2`.
  - Added all Universal function to WebServices.
  - Implemented the ability to return custom HEX string track data through `GetRFIDEncodingData`.
  - Implemented the ability to create a new reservation under `UpdateGuestInfo` functionality.
  - Removed the Daily Credit Limit when Delete Routing.
  - Added the ability to Print Door Card.
  - Added fields `UXP_H_STAFF_DIV` and `UXP_H_STAFF_POS` to `UpdateGuestInfo` function.
  - Added a Seamans Book Information to `UpdateGuestInfo` function.
  - Added a field `RES_SIGNON` and `RES_SIGNOFF` to `UpdateGuestInfo` function.
  - Enhanced WSF - `GetTreatmentAvailability` query.
  - Implemented in the `SPABooking` method by adding `SPA_ID` when sending a response to third party software.
  - Implemented additional fields to WSF '`GetItinerarySpa`' to include Treatment ID, Group, and Location.
  - Added a Voice Over Internet Protocol (VOIP) support in SPMS.
  - Added the ability to update luggage link by `RES_REFERENZ`.
  - Enhanced to enable various login method and added a login with crew board card in Web Services.
  - Added the `Luggage ID` as a search field in `GetLuggageInfo` function.
  - Enabled the `RES_BEDORDER` field in `UpdateGuestInfo` function to be updateable.
  - Enhanced to display guest name in debark date order during cabin lookup.
  - Implemented a function to include `UXP_C_EXTERNALID` as a parameter search under `peSearchType`.
  - Implemented a function to verify the guest posting status when performing Begin Check in Symphony.
  - Enhanced to include a Database Transaction Timeout configuration in `Web.Config` file, under `<add key="DB Transaction Timeout" value="60"/>`. The minimum timeout is 60 seconds.
  - Added the `GangwayGuestSearch` to WSF function.
  - Enhanced to hard code from minimum 1 minute up to maximum 10 minutes for idle timeout. The session expires after 12 hours automatically. The previous version idle timeout refers `Web.config` file.
  - Added the ability to purchase Package and view package details in Symphony.
  - Rectified the `OHCTransactionsService`: Add `uxp_h_email2 + RES_PG_ID` to `UpdateGuestInfo`.
  - Enhanced to log RFID quick encoding activity into LOG table with `LOG_KEY='PBCARD'` and `Message = "Wristband - " + RFID UID & + " is encoded"`.



- 
- Enhanced to show guest special request by color indicator for minor, Young Adult and Birthday guest in guest inquiry information screen. The function requires Parameter Symphony, Special Request Code, Special Request Code separated by a comma (SRT\_CODE) to be configured.
  - Implemented all Webservices\IngenicoService.asmx function is moved to TransactionService\TransactionService.asmx
  - Enhanced to return Chinese name in symphony. Now it returns `uxp_a_name + ' ' + uxp_a_othname` and `uxp_a_fstn + ' ' + uxp_a_othfstn`

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## 2

# System Requirements, Supported Systems, and Compatibility

This section describes the minimum requirements to upgrade SPMS application to product release Version 8.

## System Requirements

- SPMS version 7.30.8xx or later
- SPMS Database Installer version 7.30.870 if upgrading from version R7.00.0xx
- Microsoft Windows 7 with .NET Framework 4.5.1 installed
- Microsoft Windows 10 with .NET Framework 3.5 enabled
- Preinstalled Oracle Full Client on PC performing Database Upgrade
  - OracleClientSetup\_12102\_FULL.exe
- Preinstalled Oracle Data Access Components (ODAC) for PC running SPMS Applications.
  - OracleClientSetup\_12102\_FULL.exe
- A non-administrator user account
- Latest WebServer.zip
- System Database ID (DB SID) on client PC must be the same as DB SID on Web Server.

## Supported Operating Systems

- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012
- Microsoft Windows 10
  - Microsoft Windows 32-bit System / x64-bit System
- Microsoft Windows 8
  - Microsoft Windows 32-bit System / x64-bit System
- Microsoft Windows 7
  - Microsoft Windows 32-bit System / x64-bit System

## Compatibility

Oracle Hospitality Cruise Shipboard Property Management System version 7.30.8xx or later. For customer operating on version below 7.30.8xx, database upgrade to the recommended or latest version is required.

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# 3 Installation and Upgrade

Refer to *Oracle Hospitality Cruise Shipboard Property Management System Installation Guide* for more information.

## 4

## Resolved Issues

**Table 1 – Resolved Issues**

Product	CRID	TPID	Description
General	24779922	<a href="#">HCSP-376</a>	Resolved an issue by adding RES_REMARKS2 and UXP_P_VISA_PHONE in AGR Data Loader.
General	24774364	<a href="#">HCSP-2388</a>	Resolved an issue to truncate leading zero on track 3 encoding for Zebra ZXP 3/Eltron.
General	24775836	<a href="#">HCSP-3609</a>	Resolved an issue to support data import from Symphony zone setup.
General	24776778	<a href="#">HCSP-2414</a>	Resolved an issue to reconnect the CC connection when process failed.
Administration	24780337	<a href="#">HCSP-3432</a>	Resolved an issue by adding PackagePurchase function to enable packages to be purchased through Web Services by third party integrator.
Administration	24780338	<a href="#">HCSP-3294</a>	Resolved an issue by correcting the item display of Symphony Major group, Family group, Items in Advance Package Plan setup.
Administration	24775920	<a href="#">HCSP-3537</a>	Resolved an issue by fixing the System Date could not be rolled because of Trigger Fidelio TR_UXP_ORG_CHG_AFT.
Administration	24778552	<a href="#">HCSP-3520</a>	Resolved a calculation error in On-board Passengers Count that does not include passengers that embark at the current port into available deck space.
Advance Quick Check In	24777334	<a href="#">HCSP-2823</a>	Resolved an issue with printing error Error no: 998 Current Card is not a RFID Card or RFID Encode is offline and fixed Axxess Printer which does not print in Advanced Quick Check in Module.
Advance Quick Check In	24777703	<a href="#">HCSP-2407</a>	Resolved an issue with board card printing that only prints the first card instead of the multiple selections.
Credit Card Transfer	24812414	<a href="#">HCSP-4122</a>	Resolved an issue to decline the CCA if CCA_AUTH_REFERENCE is null. Fixed the issue to update CCA_STATUS to outstanding when entering space into Code field in manual Add Authorization screen. Resolved the error when updating CCT status if the guest has different credit card number but same CRD NO MASK.
Credit Card Transfer	24827827	<a href="#">HCSP-4127</a>	Resolved an issue when obtaining a Credit card authorization for routed accounts with non-refundable credit, an incorrect authorization amount is shown. Wrong authorization amount when routed account has non-refundable credit.

Product	CRID	TPID	Description
Crew	24772653	<a href="#">HCSP-3721</a>	Resolved an issue to support in Crew/Safety /Muster List Setup within UI to accommodate ORG_NAME to 50-CHAR. DB Field is 50-CHAR, but UI truncates/stops at 25-CHAR.
Crew	24779042	<a href="#">HCSP-3998</a>	Resolved an issue on Crew Ving door valid from date/time to use current date/time when a cabin change is performed or when resetting crew board card.
Database Installer	24772627	<a href="#">HCSP-3865</a>	Resolved an issue to have DB Installer insert the two Parameters: 'Ship Call Sign' and 'Ship IMO Number' into PAR_GROUP System and delete them from SYSTEM if they already exist.
DGS ResOnline	24777029	<a href="#">HCSP-3548</a>	Resolved an issue to enforce to update CRD_DEP_ID when RESERVATION_CARDTYPE is changed.
DGS ResOnline	24777400	<a href="#">HCSP-3404</a>	Resolved an issue to Change EXCURSIONSDEF_GROUP_ID data type from Decimal to VARCHAR2.
DGS ResOnline	24976449	<a href="#">HCSP-4153</a>	<p>Resolved an issue to improve DGS performance to process records in a multi thread based on memory limit defined by the user in OHCSettings.par</p> <ol style="list-style-type: none"> <li>1. [#Res Online Data Import.Parameter.ThreadCount=4#] Define a number of threads to process DGS records.</li> <li>2. [#Res Online Data Import.Parameter.MemoryLimit=1000000#] This value is in Kilo Byte, the default is 1000000 if it does not exists in OHCSettings.par. Minimum is 500000.</li> <li>3. [#Res Online Data Import.Parameter.LogCommitCount=100#] Define the number of log to commit per 100ms interval.</li> <li>4. [#Res Online Data Import.Parameter.LogLevel=3#] Define what to show on screen as well as in DGS log file. 0 - No logs (Application tier as well as database tier and nothing to be shown on UI and also no logging in the database. 1 - Only critical info (error only) 2 - Critical and important info (error and processing status only) 3 - Everything (Just like old program) See also ticket HCSP-2040.</li> </ol>

Product	CRID	TPID	Description
DGS ResOnline	24780438	<a href="#">HCSP-3560</a>	Resolved an issue when payment type was changed from Credit Card to Cash or None, System does not deactivate the credit card in Guest Handling screen. This is now resolved by deactivating the credit card when cancellation status RESERVATION_CC_XFRSTATUS =C in XML.
ENOAD	25530550	<a href="#">HCSP-4371</a>	Resolved an issue to fix the ENOAD requirement schema 3.5, where the VPR_TYPE is NONTANK / TANK.
eOne	24779932	<a href="#">HCSP-3482</a>	Resolved an issue that in the previous version, expired TLC package or Eplans were being sent from Fidelio to E1 after a valid TLC. This delivery sequence overrides the current ones and affects the TLC/Eplan History in E1.
HouseKeeping	24774512	<a href="#">HCSP-2756</a>	Resolved an issue that Cabin remains Occupied instead of Vacant upon guest checked-out.
HouseKeeping	25094258	<a href="#">HCSP-4195</a>	Resolved an issue with No-Show status not updating when the ship departs a port.
Management	24778453	<a href="#">HCSP-2359</a>	Resolved an issue with pre-posting not being routed when buyer account is checked-in prior to payer account. The resolution applies to WPFSecurityRCL, Management, Advance Quick Check In - Check In through Main screen and Wizard and Crew module.
Management	24772086	<a href="#">HCSP-3825</a>	Resolved an issue by enabling the ability in Gift Card Cancelled tab for below function: - Print Invoice - Show Log - Close - Gift Card Info, Revenue Analyzer, Invoice and Eligibility tab
Management	24772241	<a href="#">HCSP-2286</a>	Resolved an issue to able to continue batch board card printing if batch print detected non Ving RFID card.
Management	24779190	<a href="#">HCSP-2652</a>	Resolved an issue caused by an enabled Parameter: 'Package, Do not post package to both buyer and payer', where the first posting from MICROS System was posted to the Package Plan account and remaining postings goes to the guest account instead.
Online Credit Card	25314926	<a href="#">HCSP-4248</a>	Resolved an issue for Credit Card format: Servebase only. Settlement authorization is declined even cca_previous is NULL.

<b>Product</b>	<b>CRID</b>	<b>TPID</b>	<b>Description</b>
QCI Sync	25264278	<a href="#">HCSP-4228</a>	Resolved an issue on Subscript out of range during picture synchronization process.
Quick Encode	24779883	<a href="#">HCSP-3442</a>	Resolved an issue with module freezes issue during encoding of wearable by referring to Parameter: 'Quick Encode, Encode Mode Interval Time' as user able to extend the appearance of 'Wearable Successfully Encoded' message by adjusting the timer in this Par.
Safety Drill	24778043	<a href="#">HCSP-3994</a>	Resolved an issue to disable the <b>Excuse Request</b> button in Schedule Drill screen, when the drill scheduled is past system date. The 'Excuse Request' is only enabled for drills scheduled beyond the current System date.
Safety Drill	24778056	<a href="#">HCSP-2651</a>	Resolved an issue to disable a 'Trainer' of a scheduled training from assigning themselves as 'Scheduled Crew (Trainee)' in a scheduled training.
Safety Drill	24778534	<a href="#">HCSP-3518</a>	Resolved an issue by correcting the behavior of Schedule Drill Proposed Crew function to display crew members signed on within the last two week.
Security WPF	24776123	<a href="#">HCSP-4049</a>	Resolved an issue with messages pop up at Gangway that no longer includes the <b>Cancel</b> button option by added <b>Reject</b> button.

Product	CRID	TPID	Description
Ship Transf	24780080	<a href="#">HCSP-3757</a>	<p>Corrected the behavior of Offline Credit Card handling to update and/or deactivate outstanding authorization request status to decline when the initial authorization response returns a 'Declined' status, when Parameter: 'General', 'Disable C/Card and Posting when auth is decline' set to 1 or 2.</p> <p>When Parameter is set to 1</p> <ul style="list-style-type: none"> <li>- Deactivates the credit card and default payment type to Cash.</li> <li>- Activates the Activation lock and resets the credit limit to 0.</li> <li>- Posting status to account is 'Disabled'.</li> <li>- If multiple cards are registered, all invoices will route to the next active card.</li> </ul> <p>When Parameter is set to 2</p> <ul style="list-style-type: none"> <li>- Deactivates the credit card and default payment type to Cash.</li> <li>- Activates the Activation lock and resets the credit limit to 0.</li> <li>- Posting status remains 'Active' in account.</li> <li>- If multiple cards are registered, all invoices will route to the next active card.</li> </ul> <p>The above only applies to SERVEBASE and INGENICO format.</p>
Shore Excursion	24779977	<a href="#">HCSP-3213</a>	Resolved an issue with Discount not allowed if adding % Discounts for Bookings that have been already Routed to another Payer in Management which POSTING STATUS is now DISABLED.
Spa	24779993	<a href="#">HCSP-3574</a>	Resolved an issue with discount voids not being posted by implementing a check on credit limit when performing the void transaction.
Spa	24780487	<a href="#">HCSP-3703</a>	Resolved an issue to cancel percentage issue in order to be able to apply cancel percentage correctly as per setup.
Tools	24779192	<a href="#">HCSP-2653</a>	Resolved an issue for the encryption process that was revised to handle abnormal program shut down during encryption process. A warning message prompt `Do you want to continue? (Yes - Ignore Error and Continue, No = Abort and Restore from Backup) has been added if data corruption were found when user attempts to re-encrypt the data.



<b>Product</b>	<b>CRID</b>	<b>TPID</b>	<b>Description</b>
Visionline Door	24779260	<a href="#">HCSP-2829</a>	Resolved an issue with the original card issued that was invalidated instead of encoding a joiner's card when additional cabins are added.
Visionline Door	24773462	<a href="#">HCSP-3711</a>	Resolved an issue on VisionOnline that does not deactivate the old card.
Web Service	24772916	<a href="#">HCSP-3724</a>	Resolved an issue with the ability to 'RegisterRfidBoardCard' even board card was already printed or encoded.
Web Service	24779355	<a href="#">HCSP-3888</a>	Resolved an issue with GetCreditCardInfo function showing wrong credit card number for EC Card.
Web Service	24780171	<a href="#">HCSP-2545</a>	Resolved an issue on getting location when calling the GetEvent function.
Web Service	24780524	<a href="#">HCSP-3178</a>	Resolved an issue in 'GetEvent' function returning wrong eventenddate and which results in event end date that overlaps to next day.
Web Service	24779971	<a href="#">HCSP-3186</a>	Resolved an issue by adding unassigned booking handling for pre-booked spa services and packages.
WPFDash	24776847	<a href="#">HCSP-3315</a>	Resolved an issue for bar chart accounted for the count when cabin assignment is set to null value.
WPFSecurity	24778436	<a href="#">HCSP-2669</a>	Resolved an issue with message waiting sound being played twice when guest has a message to be acknowledged.
WPFSecurityRCL	24778840	<a href="#">HCSP-2921</a>	Resolved a reported issue where user was constantly being prompt with 'Re-entry (double inwards)' when a barcode is scanned using Dual Serial hardware. This behavior is due to the hardware bi-direction setting that was not functioning as expected.