Project documentation: Functional Analysis

*ZENIT – Credit Analytics Manager (FIDO) – Phase 1*

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# INTRODUCTION

The purpose of this document is translating into functional specifications what is expressed in the user requirements document.

# DESCRIPTION AND ABBREVIATION

|  |  |
| --- | --- |
| Term | Description |
| ADI | Entertainment equipment (Apparecchi Di Intrattenimento) |
| ADM | Customs and Monopolies Agency (Agenzia delle Dogane e dei Monopoli) |
| AM | Area Manager - Master Data PoS |
| AWP | **AWP** (also called “New Slot” or Devices Comma 6a) are electronic devices that dispense cash winnings. |
| BE | Back End |
| BO | Back Office |
| BOA | Back Office Albania |
| BU | Business Unit |
| CdG | Management Control Team |
| CG | Gaming Accounts (Conti Gioco) |
| ESB | Enterprise Service Bus |
| GEO | Legacy/Gaming - Platform for Lottery |
| GNTN | Lottery Games  (Giochi Numerici a Totalizzatore Nazionale) |
| HW | Hardware |
| KA | Key Account - Master Data PoS |
| MDM | Master Data Management |
| NTG | New Gen Gaming Terminal |
| PGI | Horse Racing Game Point |
| PGS | Sports Game Point |
| PoS / PdV | Point of Sales / Punto di Vendita |
| RF | Functional Requirement |
| RU | User Requirement |
| SEA | Southern Europe & Africa |
| SAP | Sisal’s ERP |
| SIMP | Betting Platform  (Sistema Informativo Match-Point) |
| SW | Software |
| TBD | To Be Defined |
| TG | General Gaming Terminal |
| TID | Transaction ID |
| UC | Use Case |
| VLT | **Videolottery**(VLT) are the latest, new, equipment in the field of legal amusement and entertainment games; the VLT are an evolution of the traditional AWP. |
| VR | Virtual Race |
| VTG | Legacy Gaming Terminal |
| ZENIT | Credit Analytics Manager System |

# GENERAL DESCRIPTION

## Purpose and Scope

The project that is the subject of this document aims to automate and simplify the management of the credit line of points of sale.

The project will focus on developing an application designed to manage the credit limit for each  
retail customer, providing:

* Comprehensive visibility of the customer’s credit status, with the ability to drill down into all business areas;
* A summary of the company’s risk level;
* A single point of management for retail customer operations for the Finance function.

The application, called ZENIT, will have a graphical interface (back office) and allows the management of:

* Centralize credit management for all points of sale:​
  + Replace the fragmented and manual processes with an integrated and automated system, ensuring a more efficient and effective credit management process​;
  + Multibrand business platforms validate transactions through Zenit's central module, which handles credit limit verification and movement​;
* Provide a centralized real-time dashboard for full visibility and control​;
* Equip the Credit team with tools for real-time decision-making;
* Automate credit risk management and insight reporting;
* Provide a detailed credit analysis for each point of sale and product, enabling an optimised credit limit allocation through a dynamic category-based breakdown, ensuring compliance with product-specific limits;

Focus on Italy, on Sisal, to include approaches on multibrand integration scenarios ( i.e. SNAI ) and new domestic and international tenders.

ZENIT will allow you to optimize credit management, reduce risks and support more effective strategic decisions.

The project includes three phases:

1. **Data Collection, Aggregation and Visualization**
2. Actionable Services for Credit and Transaction Management
3. Reporting and Predictive Analytics

This document describes the functionalities and use cases allowed by this application and the interactions with other internal and external systems to meet **phase 1** of the project: **Data Collection, Aggregation and Visualization**.

The activities related to credit line management concern all Sisal Group PoS.

Following the new reorganization, the Sisal Group has identified two new channels containing all types of points of sale in the network. The channels are:

* BRANDED: this channels represents all those points of sale which have clear evidence of the SISAL logo; this channel includes Shops and Direct Agencies which have the SISAL sign, or related trademarks, at the entrance to the shop; in addition to these are the Corners which have particular evidence of the SISAL brand.
* UNBRANDED: This channel, on the other hand, includes all those points of sale where the Sisal brand is not specifically in evidence compared to other operators in the sector.

The term "Fido" refers to the maximum exposure value (credit) authorized by the Credit team to a point of sale.

The identification of the category is reported in the data "Canale 1", which is calculated according to the following rules:

|  |  |
| --- | --- |
| **Cluster PV - (Canale RG on MDM)** | **Canale 1** |
| PGI | BRANDED |
| PGS | BRANDED |
| Negozio | BRANDED |
| Wincity | BRANDED |
| Pos AWP Only | UNBRANDED |
| Pos GNTN e AWP | UNBRANDED |
| Pos GNTN Only | UNBRANDED |
| Gaming Hall | UNBRANDED |

**Credit Lines / Products**

The lines of “Fido” currently available on SIMP are as follows:

* Totocalcio;
* Horse Racing;
* Fixed Odds Sports;
* Virtual Race;
* Global Game (maximum credit limit SIMP).

The lines of “Fido” currently available on GEO are as follows:

* Numerical Games (GNTN);
* Corner (PGI and PGS);
* Game Accounts (Serivizi - CONTI GIOCO);

The management for these Credit Lines is weekly.

## Relations with other systems

ZENIT is to be integrated with the systems listed below.

The integration may happen gradually according to a progressive implementation plan, following the planned development phases exported by the related systems.

* **MDM via ESB**

It provides PoS master data from MDM.

Point of Sale (PoS) master data will continue to be managed on all Countries via MDM/CRM, and to be propagated to other Sisal/external systems via ESB.

* **ORION**

It provides PoS Terminals and Products Data.

* **COMMA6**

It provides AWP Data.

* **NEXT VLT (SI VLT / OMBRELLO)**

It provides VLT Data.

* **GESTORETE**

GESTORETE is an application that allows debt collectors to perform accounting. For this reason, it contains all the personal data of the NOIAG PoS as well as the accounting data.

* **CERVED**

It provides PoS commercial information (rating), to carry out a periodic risk analysis from CERVED.

* **GEO**

It provides information on the availability of credit for lottery terminals.

* **MST**

It provides information on the availability of credit for Horse Race terminals.

* **SIMP**

It provides information on the availability of credit for Betting terminals.

* **DWH**

It provides information regarding:

* tracking betting winnings;
* cash availability and credit status for betting terminals, if not available from direct integration with SIMP;
* cash availability and credit status for Horse Race terminals, if not available from direct integration with MST;
* **SAP**

It provides information on warranties and any outstanding payments.

* **VALORIZZATORE**

It provides information on accounting “borderò”.

* **ARXIVAR - NEXT**

The document management system allows for the retrieval of archived documents and contracts, making it easy to view them.

* **ArchiCON**

Platform that allows you to view the details of the PoS “borderò” (no direct integration but just a link to the application).

## General Restrictions

No restrictions are known at the moment.

# TRACEABILITY MATRICES USER REQUIREMENTS, FUNCTIONAL REQUIREMENTS AND USE CASES

|  |  |  |  |
| --- | --- | --- | --- |
| RU | RF | UC | DESCRIPTION |
| -- | RF001 | XPS-ZENIT-001 | Initial Load and Data Migration |
| -- | RF002 | XPS-ZENIT-202 | Disconnected for inactivity |
| -- | RF003 | XPS-ZENIT-203  XPS-ZENIT-204 | Login Tracking (SOX)  Visualization Data Access Tracking |
| -- | RF004 | XPS-ZENIT-220 | Operations Tracking |
| -- | RF005 | XPS-ZENIT-210 | Manage Concurrency |
| -- | RF006 | XPS-ZENIT-211 | Settings |
|  | RF007 | ZPS-ZENIT-131 | Arxivar - Document Acquisition |
| -- | RF008 | XPS-ZENIT-380 | Dashboard - Single PoS “Documents” |
| -- | RF009 | XPS-ZENIT-355 | Dashboard - Single PoS “Borderò” |
| -- | RF010 | XPS-ZENIT-385 | Dashboard - Single PoS “Notes/Comments” |
| -- | RF011 | XPS-ZENIT-500  XPS-ZENIT-501 | Massive Importer  Import RedList |
| RU 4.1.1 DATI SAP | -- | XPS-ZENIT-100  XPS-ZENIT-101  XPS-ZENIT-102  XPS-ZENIT-103  XPS-ZENIT-104  XPS-ZENIT-501  XPS-ZENIT-534  XPS-ZENIT-535 | SAP - “Unpaids” Data Acquisition  SAP - “Guarantees” Data Acquisition  SAP - “Status Collection” Data Acquisition  SAP - “Open credits” Data Acquisition  SAP - “Hopper - Coin Changer” Data Acquisition  Import Red List  Import DATABASE RETE  Import DB Corner |
| RU 4.1.2 DATI SI VLT | -- | XPS-ZENIT-060  XPS-ZENIT-534 | VLT - Daily Data Acquisition  Import DATABASE RETE |
| RU 4.1.3 DATI SIMP | -- | XPS-ZENIT-030  XPS-ZENIT-011  XPS-ZENIT-539  XPS-ZENIT-535 | SIMP Credit Lines - Data Acquisition  POS Data Retrieval from Source System  Import SIMP Credit Situation  Import DB Corner |
| RU 4.1.4 DATI Pos Contracts & Procedure | -- | XPS-ZENIT-500  XPS-ZENIT-505 | Massive Importer  Import Contract Types - Specializzati |
| RU 4.1.5 DATI NETWORK DISTRIBUTION | -- | XPS-ZENIT-010  XPS-ZENIT-050  XPS-ZENIT-514 | PoS - Data Acquisition  AWP - Daily Data Acquisition  Import QR Corner |
| RU 4.1.6 DATI GESTORETE | -- | XPS-ZENIT-070  XPS-ZENIT-533  XPS-ZENIT-534  XPS-ZENIT-535 | GESTORETE - Daily Data Acquisition  Import AWP - Altro Concessionario  Import DATABASE RETE  Import DB Corner |
| RU 4.1.7 DATI GEO | -- | XPS-ZENIT-020  XPS-ZENIT-536  XPS-ZENIT-537  XPS-ZENIT-538  XPS-ZENIT-535 | GEO Credit Lines - Data Acquisition  Import GNTN Credit Situation  Import Corner Credit Situation  Import Conti Gioco Credit Situation  Import DB Corner |
| RU 4.1.8 DATI DWH | -- | XPS-ZENIT-110  XPS-ZENIT-500  XPS-ZENIT-530 | DWH - “Winning Monitoring” Data Acquisition  Massive Importer  Import Tracking Winnings |
| RU 4.1.9 DATI COMMA 6 | -- | XPS-ZENIT-050  XPS-ZENIT-534  XPS-ZENIT-535 | AWP - Daily Data Acquisition  Import DATABASE RETE  Import DB Corner |
| RU 4.1.10 DATI CERVED | -- | XPS-ZENIT-080  XPS-ZENIT-130  XPS-ZENIT-540  XPS-ZENIT-534  XPS-ZENIT-535 | Cerved - Data Acquisition  Cerved - Report Acquisition  Import Cerved Data  Import DATABASE RETE  Import DB Corner |
| RU 4.1.11 DATI CONTROLLO DI GESTIONE | -- | XPS-ZENIT-500  XPS-ZENIT-511  XPS-ZENIT-512  XPS-ZENIT-513  XPS-ZENIT-050  XPS-ZENIT-060 | Massive Importer  Import Profit and Loss - Shops  Import Profit and Loss - Gaming Hall  Import Profit and Loss - Corner  AWP - Daily Data Acquisition  VLT - Daily Data Acquisition |
| RU 4.1.12 DATI BUSINESS ANALYSIS | -- | XPS-ZENIT-010  XPS-ZENIT-011  XPS-ZENIT-050  XPS-ZENIT-060  XPS-ZENIT-500  XPS-ZENIT-510 | PoS - Data Acquisition  PoS - On-Demand Data Acquisition  AWP - Daily Data Acquisition  VLT - Daily Data Acquisition  Massive Importer  Import RETINA |
| RU 4.1.13 DATI BACK OFFICE ALBANIA | -- | XPS-ZENIT-500  XPS-ZENIT-502  XPS-ZENIT-504 | Massive Importer  Import Contract Types Corner  Import Contract Types AWP |
| RU 4.1.14 DATI MST | -- | XPS-ZENIT-040  XPS-ZENIT-030  XPS-ZENIT-539 | MST Credit Lines - Data Acquisition  SIMP Credit Lines - Data Acquisition  Import SIMP Credit Situation |
| RU 4.1.15 DATI VALORIZZATORE | -- | XPS-ZENIT-090  XPS-ZENIT-534  XPS-ZENIT-535 | Valorizzatore - Borderò Data Acquisition  Import DATABASE RETE  Import DB Corner |
| RU 4.1.16 DATI ANAGRAFICI |  | XPS-ZENIT-010  XPS-ZENIT-011 | PoS - Data Acquisition  PoS - On-Demand Data Acquisition |
| RU 4.1.17 DATI TERMINALI | -- | XPS-ZENIT-120 | Terminal Data Acquisition |
| RU 4.2.1 Login/Logout/Gestione Profili | -- | XPS-ZENIT-200  XPS-ZENIT-201 | User Profile Management  Login and Logout |
| RU 4.2.2 PROFILO FULL ACCESS | -- | XPS-ZENIT-200 | User Profile Management |
| RU 4.2.3 PROFILO CONSULTATORE | -- | XPS-ZENIT-200 | User Profile Management |
| RU 4.2.4 PROFILO OPERATORE | -- | XPS-ZENIT-200 | User Profile Management |
| RU 4.2.5 SCHERMATA ACCESSO (Ricerca) | -- | XPS-ZENIT-300 | Dashboard - Search PoS |
| RU 4.2.6 RISCONTRO SINGOLO | -- | XPS-ZENIT-300  XPS-ZENIT-330  XPS-ZENIT-335  XPS-ZENIT-340  XPS-ZENIT-345  XPS-ZENIT-350  XPS-ZENIT-355  XPS-ZENIT-360  XPS-ZENIT-365  XPS-ZENIT-370  XPS-ZENIT-375 | Dashboard - Search PoS  Dashboard - Single PoS - “Credit Management“  Dashboard - Single PoS - “PoS Master Data“  Dashboard - Single PoS - “Contracts“  Dashboard - Single PoS - “Guarantees“  Dashboard - Single PoS - “Unpaids“  Dashboard - Single PoS - “Borderò“  Dashboard - Single PoS - “ADI Data“  Dashboard - Single PoS - “Risk Data“  Dashboard - Single PoS - “Winning Data“  Dashboard - Single PoS - “Business Data“ |
| RU 4.2.7 RISCONTRO SINGOLO TASTI REPORT E GESTIONE | -- | XPS-ZENIT-311 | Export Data |
| RU 4.2.8 RISCONTRO MULTIPLO | -- | XPS-ZENIT-300  XPS-ZENIT-311 | Dashboard - Search PoS  Export Data |
| RU 4.2.9 RISCONTRO POS COLLEGATI | -- | XPS-ZENIT-390 | Dashboard - Related PoS |
| RU 4.2.10 RISCONTRO POS COLLEGATI TASTI REPORT E GESTIONE | -- | XPS-ZENIT-311 | Export Data |
| RU 4.3.1 ARCHIVIAZIONE DATI | -- | XPS-ZENIT-600 | Daily historical archiving |
| RU 4.3.2 ARCHIVIAZIONE DATI POS FUORI RETE | -- | XPS-ZENIT-500  XPS-ZENIT-520 | Massive Importer  Import Offline PoS Data Storage |

# ANALYSIS OF FUNCTIONAL AND NON-FUNCTIONAL SPECIFICATIONS

The functionalities provided by ZENIT in Phase 1 consist of:

* **Automated data collection** from POS registries, gaming platforms, and document archives​;
* **Centralized dashboard** to show relevant credit information (e.g., financial data, credit ratings, ...)​​;

The system must manage the trusted customer in multi-brand mode, according to the FlutterSEA B2B retail master classifications.

The following paragraphs describe the additional functional requirements with respect to the user requirements aimed at improving various application aspects such as usability, error handling, audit and traceability, etc.

## RF001 - Initial Load and Data Migration

The system must allow the necessary data to be imported and migrated before the system is booted for operational use. The system must support the initial loading of data from various data sources, including Excel files, CSVs, and existing databases.

This process must ensure that the ZENIT system is fully populated with the necessary data, while maintaining data integrity and quality.

## RF002 - Disconnected for inactivity

The system must manage the user logout in the event of prolonged inactivity to ensure security, prevent unauthorized access, and optimize system resources.

## RF003 - Login Tracking (SOX)

The main system must record in detail all login activities in compliance with the company policies (SOX), tracking critical information (such as user, login time, role...). The dedicated team (e.g. "Control Room") will have to be able to view, analyze and extract this information.

## RF004 - Log Tracking

The application must be SOX Compliance and use log traceability management.

## RF005 - Manage concurrency

The system is used by several users at the same time, so it must guarantee data consistency and manage concurrency.

## RF006 - Settings

Provide the user with a simple and accessible tool to customize the application interface according to:

* language preferences (such as English, Italian, etc.);
* display preferences (including font size and light/dark theme).

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| The following functional requirement (from RF007 to RF009) are foreseen in Phase 2; we will manage to anticipate them in Phase 1 if feasible. |

## RF007 - Arxivar - Documents Acquisition

The system must be able to connect to the Arxivar service to automatically list the documents available for a specific PoS, based on predefined criteria, such as the type of document and its status.

## RF008 - Dashboard - Single PoS - “Documents”

The system must provide, within the dashboard, the ability to view all documents associated with the selected POS, regardless of their origin (Cerved or ARXivar). The user, by selecting a POS from the dashboard, must be able to access a dedicated section where the documents retrieved from the two systems are listed.

## RF009 - View Borderò - ArchiCON

The system must allow the opening of a link with *ArchiCON*, thus enabling the viewing of the *Borderò* document associated with a specific PoS. This operation must be performed directly from the dashboard.

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| The following functional requirement (from RF010 to RF011) have been identified during the analysis phase as appropriate for implementation, although not explicitly indicated by the user during the requirements gathering phase. |

## RF010 - Dashboard - Single PoS - “Notes”

This requirement states that, from the dashboard, once a point of sale (PoS) is selected, it should be possible to view and enter specific notes. These notes can contain useful information for credit management, such as date, name, and other relevant characteristics.

## RF011 - Import RedList

In the case of external/internal negative reports, insolvencies and/or unfulfilled payment promises, the PoS, after all the necessary evaluations by the Credit Office, is included in a “Redlist” that provides for the limitation of credit lines.

Currently, this "RedList" is sent by email from the Credit Office to BO Lottery and Betting with the excel file attached (“RedList\_Mm\_yyyy.xlsx”).

In phase 1, where there will be no automatisms and dispositive actions, the data of interest related to the RedList to be integrated into ZENIT can be imported by uploading the relevant excel file.

The following data must be manually integrated from the excel file created by the Credit Office:

* IdRice;
* Zona Rice;
* Flag RedList (Si/No);
* General Reason;
* SIMP Management;
* SIMP Reason.

# USE CASES

This chapter describes the use cases that have been divided into the following sections:

* Initial Load and Data Migration (Back-End)

This section allows to collect the features related to initial loading and data migration.

* Data Collection (Back-End)

This section allows the acquisition and collection of data from the various internal and external systems.

* Login/Logout (Back-Office / Back-End)

This section allows you to manage the login and logout functions of the Front-End system.

* Log/Audit (Back-End)

This section allows you to ensure that all relevant transactions in the system are tracked and recorded so that they can be accessed for audit purposes and in compliance with SOX regulations, to ensure transparency and accountability.

* Dashboard - Credit Management (Back-Office / Back-End)

This section allows you to manage and monitor credit lines through a Dashboard.

* Massive Importer (Back-Office / Back-End)

The section allows for the bulk import and update of information related to PoS from Excel files.

* Back-End Procedure (Back-End)

This session refer to a set of operations and logics performed on the server to handle requests such as data storage and process automation.

***Note****: The Back-Office is a user interface (UI).*

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| The Excel file 'ZENIT - Elenco Dati', present among the User Requirements, has been updated with contributions from the Business in order to detail a series of useful columns for the analysis and classification of data fields: from identifying duplicate or redundant data, to indicating the presence of the data on the Dashboard and in the relevant section, to identifying the data owner and estimating its update frequency. This document is an integral part of this Functional Analysis; the link to the file is available in the Appendix chapter. |

## Initial Load and Data Migration

### XPS-ZENIT-001 - Initial Load and Data Migration

The system must allow the necessary data to be imported and migrated before the system is booted for operational use. The system must support the initial loading of data from various data sources, including Excel files, CSVs, and existing databases.

The system must allow the initial loading of the following essential data:

* PoS Personal data;
* Cerved data;
* Types of Contract;
* RedList Data;

Additionally, it will be essential to retrieve historical data (rolling for the last 12 months) related to:

* Borderò Data;
* Unpaids Data;

Once the initial import of the "PoS Personal Data" to ZENIT is complete, you can proceed with the upload of the other information.

The data relating to RedList and the Types of Contract can be uploaded using the import procedures already available in the "Massive Importer" session.

All other data can be acquired through the data collection processes present in the Data Collection session.

## Data Collection

**General premise**

* **Temporary Solution**

It is specified that in all cases in which it will not be possible to carry out a direct integration of the information with the systems that own the data, in a timely manner, it will be necessary to proceed with the integration of the information by uploading the Excel files that today use the required data of interest.  
This temporary solution will ensure the continuity of the process and allow you to keep the necessary information up to date until the direct integration is available.

* **Acquisition date**

It is established that for each acquisition of data, it will be mandatory to record the date of acquisition. This information will be essential to ensure data traceability and allow accurate management of information over time.

The acquisition date should be associated with each data, thus providing a useful time context for future analysis and to verify the freshness of the information.

* **Data and Integration Details**

Refer to the ZENIT technical documentation for data and integration details.

### XPS-ZENIT-010 - PoS - Data Acquisition

ZENIT takes PoS master data from MDM via ESB and the frequency update is: Every time a PoS is inserted/updated on MDM.

Once the initial import on ZENIT is finished, the latter and MDM will be kept aligned through a near real-time integration mode.

The information to retrieve for each PoS is as follows:

* IdRice;
* Zona Code
* Zona;
* Rice;
* PoS Status;
* PoS Type (Tipologia Esercizio);
* Cluster Rete;
* Channel RG (Canale RG);
* Denomination (Denominazione);
* Company name (Ragione Sociale);
* Vat Number (Partita IVA);
* Tax Code PoS (Codice Fiscale PoS);
* Address (Indirizzo Completo);
* City (Comune);
* Hamlet (Frazione);
* Province Code (Sigla Provincia);
* CAP;
* Region (Regione);
* Phone Number (Telefono); (\*)
* Phone Number 2 (Telefono 2) (\*);
* Email;
* Country;
* Holder Surname (Cognome Titolare);
* Holder FirstName (Nome Titolare);
* Holder Cell ; (\*)
* Holder Cell 2; (\*)
* Business Line (Ldb) - (array);
  + LdB Name;
  + Ldb Status;
  + Date of last transfer(Data ultima voltura);
  + LdB Betting - only
    - SIMP Code;
    - Sports Concession Code (Codice Concessione Sportiva);
    - Horse-Racing Concession Code (Codice Concessione Ippica);
    - Sports Grant Code (Codice Diritto Sportivo);
    - Horse-Racing Grant Code (Codice Diritto Ippica);
* KA Surname and Firstname;
* AM Surname and Firstname;
* Prepaid Flag (Flag Prepagato);
* Activation Date (Data attivazione Canale 1): The calculated field will be populated with the date at the time of the change of Channel 1.

(\*) To ensure privacy, it is necessary to integrate only the PoS phone numbers, excluding personal numbers. This measure is essential to protect sensitive data.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;
* Dashboard - Single PoS - PoS Master Data” Tab.

### XPS-ZENIT-011 - PoS Data Retrieval from Source System

The system must make a call to the source system to retrieve PoS data only for the following information: Credit Lines Data, NOIAG Credits and NOIAG Hopper Data.

The system will retrieve the most up-to-date information from the source system in real time in the following scenarios:

* When the user select the Single PoS;
* When the “Refresh” button is pressed on the Single PoS screen;
* When the system performs daily data storage for archival purposes;

**Note**: For this integration, a technical deepening is necessary.

### XPS-ZENIT-020 - GEO Credit Lines - Data Acquisition

ZENIT takes GEO Credit Lines / Products data information from GEO system, and the required frequency update is near real-time.

The information to retrieve for each PoS regarding each Credit Line / Product is as follows:

* Zona Code (alphanumeric code);
* RICE Number;
* Credit Lines / Products;
  + Credit Lines / Products;
  + Basic credit line (“*Fido Base Week*”);
  + Credit line extension (“*Estensione Week*”);
  + Total credit line (“*Fido Totale Week*”);
  + Consumed Credit line (“*Consumato Week*”);
  + Percentage of credit consumed (“% consumato Week” - Calculated: (“*Consumato Week*” / “*Fido Totale Week*”) \* 100);
  + Residual credit line (“*Residuo Week*” - Calculated: “*Fido Totale Week*“ - “*Consumato Week*“ );

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - Credit Management” Tab.

### XPS-ZENIT-030 - SIMP Credit Lines - Data Acquisition

ZENIT takes SIMP Credit Lines / Products data information, whose owner system is SIMP , ensuring updates with a frequency update to near real-time.

Depending on technical availability, it will be evaluated whether to retrieve the data directly from SIMP (master of information), or from the DWH replica.

The information to retrieve for each PoS regarding each Credit Line / Product is as follows:

* Zona Code (alphanumeric code);
* RICE Number;
* Alias;
* Credit Lines / Products;
  + Credit Lines / Products;
  + Basic credit line (“Fido Base Day” or “Fido Base Week”);
  + Credit line extension (“Estensione Day” or “Estensione Week”);
  + Total credit line
    - “Fido Totale Day” - Calculeted: “Fido Base Day” + “Estensione Day“) or
    - “Fido Totale Week” - Calculeted: “Fido Base Week” + “Estensione Week“);
  + Consumed Credti line (“Consumato Day” or “Consumato Week”);
  + Percentage of credit consumed
    - (“% consumato Day” - Calculated: (“Consumato Day”/“Fido Totale Day”) \* 100) or
    - (“% consumato Week” - Calculated: (“Consumato Week”/“Fido Totale Week”) \* 100);
  + Residual credit line
    - (“Residuo Day” - Calculated: “Fido Totale Day“ - “Consumato Day“ ) or
    - (“Residuo Week” - Calculated: “Fido Totale Week“ - “Consumato Week“ )

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - Credit Management” Tab.

### XPS-ZENIT-040 - MST Credit Lines - Data Acquisition

ZENIT takes MST Credit Lines / Products data information, whose owner system is MST, ensuring updates with a frequency update to near real-time.

Depending on technical availability, it will be evaluated whether to retrieve the data directly from MST (master of information), or from SIMP or from the DWH replica.

The information to retrieve for each PoS regarding each Credit Line / Product is as follows:

* Zona Code (alphanumeric code);
* RICE Number;
* Credit Lines / Products;
  + Credit Lines / Products;
  + Basic credit line (“Fido Base Day” or “Fido Base Week”);
  + Credit line extension (“Estensione Day” or “Estensione Week”);
  + Total credit line
    - “Fido Totale Day” - Calculeted: “Fido Base Day” + “Estensione Day“) or
    - “Fido Totale Week” - Calculeted: “Fido Base Week” + “Estensione Week“);
  + Consumed Credti line (“Consumato Day” or “Consumato Week”);
  + Percentage of credit consumed
    - (“% consumato Day” - Calculated: (“Consumato Day”/“Fido Totale Day”) \* 100) or
    - (“% consumato Week” - Calculated: (“Consumato Week”/“Fido Totale Week”) \* 100);
  + Residual credit line
    - (“Residuo Day” - Calculated: “Fido Totale Day“ - “Consumato Day“ ) or
    - (“Residuo Week” - Calculated: “Fido Totale Week“ - “Consumato Week“ )

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - Credit Management” Tab.

### XPS-ZENIT-050 - AWP - Daily Data Acquisition

ZENIT takes AWP data information from COMMA6 and the frequency update is daily.

The integration request provides for the connection between ZENIT and the COMMA6 system with the aim of providing a daily view (daily photo, with snapshot of the previous evening) of the relevant data of each PoS.

The integration will have to be automated to update daily, in order to centralize information, improve the efficiency of PoS analysis management and allow daily data storage.

Below is the list of data, for each PoS (key: IdRice and Zona + Rice), that must be exchanged between the systems:

* **IdRice**: Unique PoS identifier;
* **ZonaRice**: Zone Identifier and PoS Identifier in the Zone;
* **Nr AWP Management IAG**: Number of AWPs under management with collection type "IAG";
* **Nr AWP Management NO IAG**: Number of AWPs under management with collection type "NOIAG";
* **Nr AWP Third-party IAG**: Number of third-party AWPs with collection type "IAG";
* **Nr AWP Third-partyNO IAG**: Number of third-party AWPs with collection type "NOIAG";
* **Nr AWP Average**: Average number of total active AWPs (YTD);
* **Type of Collection AWP under Management**;
* **Coin In Average AWP - YTD;**

\*\*YTD = from the beginning of the year to the reference date.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;
* Dashboard - Single PoS – ADI Data Tab.

### XPS-ZENIT-060 - VLT - Daily Data Acquisition

ZENIT takes VLT data information from NEXT VLT and the frequency update is daily.

The integration request provides for the connection between ZENIT and the NEXT VLT system with the aim of providing a daily view (daily photo, with snapshot of the previous evening) of the relevant data of each PoS.

The integration will have to be automated to update daily, in order to centralize information, improve the efficiency of PoS analysis management and allow daily data storage.

Below is the list of data, for each PoS (key: IdRice and Zona + Rice), that must be exchanged between the systems:

* **IdRice**: Unique PoS identifier;
* **ZonaRice**: Zone Identifier and PoS Identifier in the Zone;
* **Nr VLT**: Number of VLTs;
* **Nr VLT Average**: Average number of total active VLTs (YTD);

\*\*YTD = from the beginning of the year to the reference date.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;
* Dashboard - Single PoS – ADI Data Tab.

### XPS-ZENIT-070 - GESTORETE - Daily Data Acquisition

ZENIT takes GESTORETE data information from GESTORETE and the frequency update is daily.

The integration request provides for the connection between ZENIT and the GESTORETE system with the aim of providing a daily view (daily photo, with snapshot of the previous evening) of the relevant data of each PoS.

The integration will have to be automated to update daily, in order to centralize information, improve the efficiency of PoS analysis management and allow daily data storage.

Below is the list of data, for each PoS (key: Zona + Rice), that must be exchanged between the systems:

* **ZonaRice**: Zone Identifier and PoS Identifier in the Zone;
* **Nr AWP other dealer**: Number of AWPs other dealer “NOIAG”;
* **NOIAG Credits**
* **NOIAG Hopper**
* **Keys AWP Drawer**: identifies who is in possession of the AWP Drawer Keys (values. “GESTORE“ or “ESERCENTE“);
* **Keys AWP Counter**: identifies who is in possession of the AWP Door Keys (values. “GESTORE“ or “ESERCENTE“);
* **Keys AWP Change Coins**: identifies who is in possession of the AWP Change Coins Keys (values. “GESTORE“ or “ESERCENTE“);

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;
* Dashboard - Single PoS – ADI Data Tab.

### XPS-ZENIT-080 - Cerved - Data Acquisition

The system needs to retrieve the following information of each PoS from the system CERVED:

* CGS (Cerved Group Score);
* Activity status;

Zenit will import daily data from Cerved regarding the variation compared to the previous day.

Each update relating to CERVED data must be logged and tracked.

**Active PoS - Monitoring in Cerved**

Cerved system tracks changes related to active PoS in Sisal.  
All those who have issued invoices with Sisal in the last 12 months are considered active PoS.

It is required to manage a flow that allows retrieving from Cerved the following information regarding the active PoS for Sisal that have undergone changes related to the status of the company and/or the CGS compared to the previous day.

The flow should be scheduled to run automatically once a day.

**New PoS**

The PoS begins to be monitored on Cerved already during the inspection phase, when the first request for information is made (Cerved report request) for the assessments on the PoS.

**Cerved Clustering Parameter**

The Cerved Group Score is an indicator used by Cerved, one of the leading rating and commercial information agencies in Italy, to assess the financial solidity and risk of a company. This score is based on various financial and operational parameters of the company and is used to provide an evaluation of its economic health and credit reliability.

The Zenit system acquires the CGS (rating), which, based on the risk cluster, enables the assessment of the customer's risk level and creditworthiness, and supports the credit line assignment process.

In this table you will find the following information:

* **Rating (from/to)**: Range from the CGS score, which usually ranges from a minimum value (indicated as “from”) to a maximum value (indicated as “to”). Higher scores indicate lower risk and greater robustness of the company;
* **Risk Cluster/(Cluster Rischio)** : a brief description that categorizes the score within a given cluster or risk class;

Matrice Cerved Clustering Parameter:

|  |  |
| --- | --- |
| **Rating (from/to)** | **Risk Cluster/(Cluster Rischio)** |
| n.a.-24 | Non Affidabile |
| 25-34 | Bassa |
| 35-44 | Contenuta |
| 45-54 | Moderata |
| 55-64 | Media |
| 65-74 | Buona |
| 75-84 | Elevata |
| 85-100 | Massima |

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;
* Dashboard - Single PoS – Risk Data Tab.

### XPS-ZENIT-090 - Valorizzatore - Borderò Data Acquisition

The Zenit system will acquire weekly or bi-weekly, depending on the accounting periods, the data of the Borderò from “Valorizzatore” once they have been validated (at the end of accounting period).

The information that needs to be extracted are:

* idRice;
* ZonaRice;
* Borderò number;
* Accounting period (from - to);
* Total amount of Borderò;

This information can be used to calculate the average Borderò over a rolling period of 12 months and the average Borderò for the current year YTD.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;
* Dashboard - Single PoS – “Borderò” Data Tab.

### XPS-ZENIT-100 - SAP - “Unpaids” Data Acquisition

The system must implement an automatic mechanism to obtain updated information on unpaid payments from SAP for each point of sale (PoS). This flow must be activated whenever a new unpaid is detected on SAP side, thus ensuring continuous and reliable data updates.

In case of any new unpaid payments of a PoS, the following information must be sent:

* IdRice - PoS Identifier;
* Unpaid Date;
* Unpaid Identifier;

Zenit will be responsible for calculating and displaying the aggregated data on the Dashboard.

* The total number of unpaid cases for the current year;
* The total number of unpaid cases over a rolling 6 months period;
* The total number of unpaid cases over a rolling 12 months period;

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS – “Unpaids” Tab;
* Dashboard - Single PoS – “Risk Data” Tab.

### XPS-ZENIT-101- SAP - “Guarantees” Data Acquisition

The system must implement an automatic mechanism to obtain updated information on guarantees from SAP for each point of sale (POS). This flowBank guarantee must be activated whenever there is a change in the status of guarantees, thus ensuring continuous and reliable data updates.

In case of any variation related to the guarantees of a POS, the following information must be sent:

* IdRice - PoS Identifier;
* Type of Guarantee (Plan Provisions, Bank guarantee and Deposits);
* Total Balance Amount by type of Guarantees;
* Guarantee Start Date (only for Bank guarantee);
* Guarantee Expiration Date (only for Bank guarantee);

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;
* Dashboard - Single PoS – “Guarantees” Tab.

### XPS-ZENIT-102- SAP - “Status Collection” Data Acquisition

The system must implement an automatic mechanism to obtain updated information on “Status Collection” from SAP for each point of sale (POS). This flow must be activated whenever there is a change in the status of “Status Collection”, thus ensuring continuous and reliable data updates.

In case of any variation related to the “Status Collection” of a POS, the following information must be sent:

* IdRice - PoS Identifier;
* Status Collection (“Blocco al Sollecito”) flag;
  + Only the most serious block will be sent for each customer, ignoring the distinction between companies;
  + The block will be determined by a hierarchy of severity (e.g. legal > warning > re-entry plan);
  + The data will be updated every time the status of an “open item” changes;

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;

### XPS-ZENIT-103- SAP - “Open credits” Data Acquisition

The system must implement an automatic mechanism to obtain updated information on “Open Credits” from SAP for each point of sale (PoS). This flow must be activated whenever there is a change in the status of “Open Credits”, thus ensuring continuous and reliable data updates.

In case of any variation related to the “Open Credits” of a PoS, the following information must be sent:

* IdRice - PoS Identifier;
* total balance amount;
  + The balances of the open items for the three companies must be transmitted, without distinction between them;

Particular attention will be given to "IAG" credits, which may remain open for a few hours after the IAG.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;

### XPS-ZENIT-104- SAP - “Hopper - Coin Changer” Data Acquisition

The system must implement an automatic mechanism to obtain updated information on “Hopper and Coin Changer” from SAP for each point of sale (PoS). This flow must be activated whenever there is a change in the status of “Hopper and Coin Changer”, thus ensuring continuous and reliable data updates.

In case of any variation related to the “Hopper and Coing Changer” of a PoS, the following information must be sent:

* IdRice - PoS Identifier;
* IAG Hopper Balance Amount - Severance;
* IAG Hopper Balance Amount - Recovery;
* Coin exchange balance amount;

SAP will monitor the balance of the “Coge accounts” related to the hoppers, which are linked to the points of sale.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS;

### XPS-ZENIT-110 - DWH - “Winnings Monitoring” Data Acquisition

The **Zenit** system will daily acquire winnings monitoring data from **DWH** at the end of each day.

This information will be processed in aggregate form, omitting details of individual tickets.

Three distinct types of integration are planned:

* Sport tickets paid at other sales points;
  + The aggregation must be based on:
    - Identifier of seller PoS (ZonaRice).
    - Sell date;
    - Identifier of PoS where the payment was made;
    - Payment date;
* Unpaid winning sports tickets;
  + The aggregation must be based on:
    - Identifier of seller PoS (ZonaRice);
    - Sell date;
* Unpaid winning virtual race tickets;
  + The aggregation must be based on:
    - Identifier of seller PoS (ZonaRice);
    - Sell date;

For each type, extract and aggregate the following information:

* **Seller Agency Code**: The SIMP Code of the Agency where the sell was made is a fixed string of 6 characters, filled on the left with zeros (e.g. 000045);

In the case of a "Corner" type PoS, a prefix is added that consists of the zone number, represented by four characters filled with leading zeros. This prefix is followed by a hyphen "-" and the SIMP code of the agency, filled out as described previously (e.g. 0001-000045).

* **Seller PoS identifier** location corresponds to Zona Rice of PoS, where Rice is a fixed string of four characters, left-padded with zeros (e.g. "MI0001");
* **Competence (event) Day**: corresponds to the date of the win (Format "yyyy-mm-dd");
* **Cash day**: the date of the sell of the bet (Format "yyyy-mm-dd");
* **Winning payment Day**: it is the date on which the payment of the winnings was made (Format "yyyy-mm-dd"); This data will only appear on “tickets paid at other sales points”;
* **Agency Code Payment** is a fixed string of 6 characters, corresponding to the SIMP code of the agency where the payment was made, filled on the left with zeros (e.g., 000045); This data will only appear on “tickets paid at other sales points”;
* **PoS Identifier of the payment** corresponds to Zona Rice to the PoS payment, where Rice is a fixed four-character string, left-padded with zeros (e.g., "MI0001"). This data will only appear on “tickets paid at other sales points”;
* **Amount bet**: the amount of the sell related to the bet.
* **Amount Won**: the amount of the prize paid.

The data acquired from the system must follow the same rules and logic currently in use for the daily extraction performed by the DWH on the winnings monitoring reports. This process must ensure that the data is consistent, accurate, and formatted according to existing specifications, maintaining the same frequency of daily extraction.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS - “Winning Data” Tab;

### XPS-ZENIT-120 - Terminal Data Acquisition

ZENIT takes the Terminal Data for each Terminal Type at each Point of Sale (PoS) from ORION.

The information that needs to be extracted are:

* **IdRice**: Unique PoS identifier;
* for each Terminal Type :
  + Type ID;
  + Type Name;
  + Number of Terminals: Quantity of Terminals for each Type at PoS;

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS - “PoS Master Data” Tab;

### XPS-ZENIT-130 - Cerved - Report Acquisition

The system must be able to acquire the available reports of a specific PoS from Cerved, thus allowing for their subsequent viewing.

The request will be triggered in the following cases:

* When the user works on the Dashboard:
  + Screen Single PoS (in the module reserved to the data of the Source system “Documents“, if it is necessary to display information from the Source system);

Zenit shows the list of available documents, allowing the user to click on the single document to show it.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS - “Documents” Tab;

### XPS-ZENIT-131 - Arxivar - Documents Acquisition

The system must be able to acquire the available documents of a specific PoS from Arxivar, thus allowing for their subsequent viewing.

The request will be triggered in the following cases:

* When the user works on the Dashboard:
  + Screen Single PoS (in the module reserved to the data of the Source system “Documents“, if it is necessary to display information from the Source system);

Zenit shows the list of available documents, allowing the user to click on the single document to show it.

The data can be viewed, for each PoS, from the Dashboard in the:

* Dashboard - Single PoS - “Documents” Tab;

## Login/Logout

### XPS-ZENIT-200 - User Profile Management

This use case describes which roles are allowed in the Dashboard and what each role can do.

It is required to set up at least the following different privilege levels:

* Full Access User, with access to all ZENIT features (consultation and extraction of data, massive import, threshold management);
* Operator User, with access to partial ZENIT features (consultation and extraction of data, partial management of thresholds);
* Observer User, with access to consultation and data extraction;
* IT Support, with read/only access to log information via splunk .

The user, after login, only accesses the functionality available to his profile.  
A user may have a privilege for one country and a different privilege for another country.

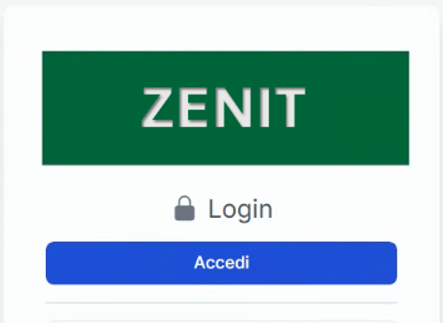
Each user will be placed in a group and each user group will have roles assigned to it for navigating the application (groups such as Credit Manager, Credit Reporting, Italy Credit Team, Albania Credit Team).

For each functionality described in this document, it is therefore foreseen which role can be applied for each type of user. For further information on the role/user/functionality mapping, please refer to [ZENIT - Features and Profiles v1.0.xlsx](https://sisalgroup.sharepoint.com/:x:/r/sites/Cross-PlatformsSystems/Shared%20Documents/01.%20PJ/20.%20ZENIT/01.%20Docs/99.%20VARIE/ZENIT%20-%20Features%20and%20Profiles%20v1.0.xlsx?d=w140da528168541d0bf81412d72e201b8&csf=1&web=1&e=tM6bnM) . Features Overview sheet.

### XPS-ZENIT-201 - Login and Logout

To access the ZENIT back-office, the user must log in and his profile must be enabled to use the application.

This UC is to be considered as a precondition for all others. For login-enabled users, please refer to UC **XPS-ZENIT-200.**



It must be possible for the user to close their session with the logout function.

When logging into ZENIT, it must be clear and unambiguous to the user in which environment they are operating, between development, test, pre-production and production, in order to reduce human errors of operating in the wrong environment.

In the event of incorrect credentials being entered, a message must be returned to the user.

In compliance with company policies the passwords system is handled by Microsoft.

|  |  |
| --- | --- |
| Use Case No.: | XPS-ZENIT-201 |
| **Name:** | Login and Logout |
| **Description:** | A user wants to access and to logout at the ZENIT platform with his Company username.  The system manages the login and logout process, ensuring that only authorized users can access the system, that authentication is secure against unauthorized access attempts, and allowing them to log out securely. |
| **Primary Actor:** | User ZENIT, with any profile |
| **Secondary Actor:** | *Authentication system*: platform or system that manages the login process and verification of user credentials.  *Authenticator app* (es.Microsoft Authenticator): Authentication wind used to send the second verification factor. |
| **Preconditions:** | The user is already configurated on ZENIT and he has configured method MFA.  The user has already configured the Authenticator app on their mobile device.  The system is configured to support MFA. |
| **Postconditions:** | * **Login**: The user logged into the system and has access the features corresponding to his profile; * **Logout**: The user is logged out and can no longer access the features. |
| **Main Scenario:** | **Login**:   1. The user accesses at the Zenit login screen and press the “Access” button:    * You will be redirected to the Microsoft WebSite; 2. The user enters his company credentials (*username* and *password*) 3. First factor authentication The system verifies the user's credentials in accordance with company policies:    * if the credentials are correct, the system proceeds to ask the second factor authenticator;    * if the credentials are not correct, the system shows an error message (“*Invalid credentials*“) and allows you to try again; 4. Request for the second factor    * The system sends an authentication request to the user's mobile device through the “*Authenticator App*”. 5. Authentication with “*Authenticator App*”    * Notification: The system sends a push notification to the “Authenticator App” on the user's mobile device The user receives a request to approve or reject the login request;    * Numeric code (OTP): If the push notification is not available, the user opens the “Authenticator App” on their mobile device and obtains a temporary code (OTP)    * The user enters the OTP code into the interface from the system 6. Verification of the second factor    * The system checks the validity of the second factor    * If the answer is correct, the user is successfully authenticated and has access to the system that proceeds to determines the role of the user and redirects him to the home page based on the role;    * If the second factor is invalid, the system does not allow access and the user receives an error message 7. System access    * Once authenticated, the user has access to the system and resources to which he is authorized    * The system logs the access log for security and auditing purposes **XPS-ZENIT-203**   **Logout**   1. The user wants to log out of the application:    * The user clicks on the Logout or Exit button 2. The system closes the user session |
| **Step Extension n° 1:** | Every access and logout must be recorded to ensure traceability and the possibility of auditing in case of suspicious activity. |
| **Alternative Scenario n°:** |  |
| **Open Points:** | n.a. |

### XPS-ZENIT-202 - Disconnected for inactivity

|  |  |
| --- | --- |
| Use Case No.: | XPS-ZENIT-202 |
| **Name:** | Disconnected for inactivity |
| **Description:** | The system must manage the user logout in the event of prolonged inactivity to ensure security, prevent unauthorized access, and optimize system resources. This use case describes the workflow that allows the management of user activities Automatic logoff. |
| **Primary Actor:** | User ZENIT, with any profile  System ZENIT |
| **Secondary Actor:** |  |
| **Preconditions:** | The user is logged into the system. |
| **Postconditions:** | The user is logged out and can no longer access the features. |
| **Main Scenario:** | * Session Start:   + The user logs in to the system with valid credentials;   + The system creates an active user session and starts tracking user activity; * Activity monitoring:   + The system continuously monitors user activity during sessions;   + Inactivity is detected based on a defined metric such as the lack of interactions for a certain period of time, such as 5 minutes; * Notification of inactivity:   + When the user is inactive for a predefined period, the system can send a notification, such as a pop-up window, to warn the user that the session is about to expire due to inactivity   + The notification may include a countdown timer (e.g. your session will expire in a minute Click “*Continue*” to keep the session active). * Automatic logout:   + If the user has not interacted after the defined period of inactivity, such as 5 minutes, the system automatically logs off the user session;   + The system logs the disconnect event in the system logs;   + The user is redirected to the login screen; |
| **Step Extension n° ():** |  |
| **Alternative Scenario n°:** | **The system does not detect inactivity**  If the user continues to interact, e.g. click, type or move mouse, the system does not consider the session as inactive and the monitoring of activity continues without interruption. |
| **Open Points:** | n.a. |

### XPS-ZENIT-203 - Login tracking (SOX)

The application must implement a tracking system that records every user access and interaction to ensure compliance with SOX regulations. This information will be stored in a secure database and accessible only to authorized personnel.

Registration of access once authenticated, the system registers in the database least the following information:

* Username;
* Surname and First Name;
* email address;
* Title;
* Department;
* Date of Last Login;
* Status of the Username;
* Role;

### XPS-ZENIT-204 - Visualization Data Access Tracking

The dedicated team (such as “Control Room” - IT Support) must be allowed to view the login tracking information recorded in the ZENIT system, using a dedicated app such as Splunk.

### XPS-ZENIT-210 - Manage concurrency

The system is used by several users at the same time, so it must guarantee data consistency and manage concurrency.

The system must support simultaneous access by multiple users, ensuring data consistency and integrity. Concurrency management must be implemented to avoid conflicts and ensure that user operations do not interfere with each other.

### XPS-ZENIT-211 - Settings

It must be possible for the user to access a menu to change BO ZENIT settings.

Functions in this menu must at least include:

* Language selection (Italian, English …);
  + The language selection determines not only the displayed texts, but also the format of dates and amounts:
    - If the user selects Italian, local formats will be used for dates (e.g., dd/mm/yyyy) and amounts (e.g., 0.000,00 €);
    - If the user selects English, local formats will be used for dates (e.g., mm/dd/yyyy) and amounts (e.g., € 0,000.00);

In Phase 1, only the Italian language will be implemented.

* Theme style (light or dark);
* Font size (normal or large);

It will be possible to enrich this menu in the future with further functions, also at the suggestion of users.

## Log/Audit

### XPS-ZENIT-220 - Operations Tracking

The application must be SOX Compliance and use log traceability management, already in use on other Company applications, which consists of inserting a particular log template, on all the logs relating to modification operations on DB and File or logs relating to a specific action (e.g. validation).

This template must provide for the possibility of keeping these types of logs for longer than other application logs.

On the **description** of log use the following template:

#*<applicationName>*# #AUDIT# #*<actionCategory>*# User ‘*<username>*’ having role '*<userRole>*' has performed the following action: <*actionDescription*>

**Safety**: Tracking data must be protected from unauthorised access.

**Integrity**: The log must be immutable and non-modifiable once registered.

**Accessibility**: At this phase, the visibility of results will not be available to the authorized user. This functionality may be considered in later phases of the project.

## Dashboard - Credit Management

**General premise**

* **Mockup**

The following analysis describes the interfaces in accordance with the specifications agreed upon with the business and documented in ZENIT - Dashboard Mockup. The layout and data aggregation logics may be subject to changes aimed at ensuring better modularization of components and optimized visibility based on access profiles.

* **Excel Export**

This document describes the Excel export formats provided for the analyzed interfaces, including representative examples of the names used for data extractions. These examples are for illustrative purposes and may be subject to updates during the implementation phase.

### XPS-ZENIT-300 - Dashboard - Search PoS

|  |  |
| --- | --- |
| **Use Case No.:** | XPS-ZENIT-300 |
| **Name:** | Dashboard - Search PoS |
| **Description:** | This use case describes the search functionality of the PoS in the Credit Management Dashboard.  Upon confirmation of search data entered by the user, a search is performed in the system. |
| **Primary Actor:** | ZENIT User, with any profile |
| **Secondary Actor:** | ZENIT |
| **Preconditions:** | The user is already logged in ZENIT.  The user has selected the function Search Pos. |
| **Postconditions:** | The system displays a list of PoS that match the search criteria. |
| **Main Scenario:** | 1. The user enters search data by selecting one or more filters; 2. The user starts the search by pressing the "SEARCH" button; 3. The system searches based on the criteria and display the result; 4. If the search produces one or more results, the system displays the result 5. The results must be shown in a table or list with columns representing the various fields (IdRice, Company name …). Each row in the table must represent a single PoS. |
| **Alternative Scenario n°1:** | *5.a - PoS not Found*  If no PoS are found that matches the search criteria, the system shows a notification indicating that no results were found. |
| **Alternative Scenario n°2:** | 5.b - Select a POS from the list:  Click on the edit icon near to the desired POS. The system retrieves and displays the details of the selected PoS on the "Single PoS" screen. |
| **Alternative Scenario n°3:** | *Alternative 5.b 1 -* Manual refresh Data for single Pos  There will also be a **"**REFRESH**"** button to force the data refresh at any time. The system update the PoS data. |
| **Alternative Scenario n°4:** | 5.c Reset filter  The user can clean up the search data via a "RESET" button to start a new search. |
| **Exception n°1:** | *2.a - Inconsistencies in input fields*  ZENIT detects formal errors in the input data and displays a message indicating the errors found. The user must correct the errors in order to continue. |
| **Frequency of Use:** | for each inquire |
| **Open Points:** | **Automatic refresh**  During the implementation phase, the effectiveness of a possible automatic refresh will be evaluated based on the available time interval. |

Characteristics compilation fields and input data checks:

| **Input field** | **Type field** | **Validation criteria** | **Values** | **Field mandatory** |
| --- | --- | --- | --- | --- |
| Zona | Alphabetic | [A-Z]  Filtering by Zone involves choosing a Zone from a pre-entered list of values.  The zones provided are received from MDM | For the zona only the 14 provided. | No |
| Rice | numeric | [0-9] | From 1 to 9999 | No |
| IdRice | numeric | [0-9] | From 1 to 9999999 | No |
| Vat Number  (P.IVA) | numeric | 11 chars [0-9] |  | No |
| Tax Code  (Codice Fiscale Titolare) | Alphanumeric | 16 chars [A-Z][0-9] |  | No |
| Company Name (Ragione Sociale) | Alphanumeric | chars [A-Z][0-9]  Special characters |  | No |
| Denomination  (Denominazione) | Alphanumeric | chars [A-Z][0-9]  Special characters |  | No |
| Channel 1  (Canale 1) | List of Values | The list is pre-populated with possible searchable values. | <any>  “BRANDED“  “UNBRANDED” | Yes |
| Channel 2  (Canale 2) | List of Values | The list is pre-populated with possible searchable values. | <any> | Yes |
| Cluster | List of Values | The list is pre-populated with possible searchable values. | <any> | Yes |
| City  (Località) | Alphanumeric | chars [A-Z][0-9]  Special characters  The field will be equipped with an auto-completion mechanism to facilitate data entry. |  | No |
| Closed PoS | checkbox | To search/extract also closed PoS |  |  |

**PoS Found**

Below are the data that are displayed in the table for each PoS found:

* **IdRice:** Identifier PoS**;**
* **ZonaRice;**
* **Channel 1 (Canale 1);**
* **Channel 2 (Canale 2);**
* **Cluster;**
* **Status (Stato):** Status of PoS;
* **Denomination (Denominazione);**
* **Company Name (Ragione Sociale);**
* **City (Località);**
* **Vat Number (P.IVA);**
* **Holder Tax Code (C.F. Titolare)**: Tax Code of the Holder;
* **Scoring**: number of CGS;
* **RedList**: flag RedList (Yes/No);
* **KA**: Surname and Name of the KA;

**Single PoS**

Once the Single PoS is selected, the system displays a page organized into:

**Header (top header)**

It contains the key and identifying information of the PoS, always visible while navigating between the tabs.

Data in the header:

* **IdRice:** Identifier PoS**;**
* **ZonaRice;**
* **Channel 1 (Canale 1);**
* **Channel 2 (Canale 2);**
* **Cluster;**
* **Status (Stato):** Status of PoS;
* **Nr AWP:** Total number of AWP;
* **Nr VLT:** Total number of VLT;
* **Coin in medio YTD:** Coin in medio AWP - YTD;
* **Type of Collection AWP under Management** (Tipo Esazione AWP)The data can contains "IAG" or "NOIAG".
* **Denomination (Denominazione);**
* **Company Name (Ragione Sociale);**
* **City (Località);**
* **Vat Number (P.IVA);**
* **Scoring**: number of CGS;
* **KA**: Surname and Name of the KA;
* **RedList**: flag RedList (Yes/No);
* **Status Collection (Blocco al Sollecito):** Description of Status Collection (\*);
* **Credits (Scaduto)**: total amount of credits, which represents the sum of IAG and NOIAG credits (\*)
* **Guarantees (Garanzie)**: Total amount of guarantees.
* **Upload Coin (Caricamento)**: Total amount preloaded into the “hoppers” and “Change Machine”.

(\*) For the Offline PoS Data Storage, the value corresponds to that imported from the Excel file. (See *XPS-ZENIT-520 Import Offline PoS Data Storage*for further details).

**Main Section**

In detail, for each PoS, informative aggregations will be available through tab or button interfaces, allowing intuitive navigation between the different data sections.

The first visible section will concern the status of the credit of the selected POS.

Each section can include specific views, data, actions, and buttons.

List of main section:

|  |  |
| --- | --- |
| Section/Tab | Expected Content |
| **Credit Management (Gestione Fido) - (default tab)** | Information regarding the situation and management of loans for the various lines of credit / products. |
| **PoS Master Data (Anagrafica)** | Information regarding the PoS registry, the holder, the terminals, and the LdB. |
| **Contracts (Contratti)** | Information regarding contracts. |
| **Guarantees (Garanzie)** | Information regarding Guarantees |
| **Unpaids (Insoluti)** | Information regarding Unpaids data |
| **Borderò** | Information regarding Borderò data |
| **ADI Data (Dati ADI)** | Information regarding ADI Data |
| **Risk Data (Dati Rischio)** | Information regarding risk data |
| **Winning Data (Dati Vincite)** | Information regarding winning data |
| **Business Data (Dati Business)** | Information regarding business data |
| **View Documents (Documenti)** | Explore the PoS Documents |
| **Notes (Note)** | You can view and update the notes linked to the PoS. |
| **Related PoS** | Visualize any other related PoS based on specific criteria |

**Behavior Between Sections**

* Sections can be selected directly and load asynchronously, without the need to reload the entire page.
* Navigation does not change the header, which remains fixed and always visible.
* Each section can include contextual action buttons.

Access to sections/tabs and information may be subject to role permissions.

### XPS-ZENIT-311 - Export Data

The function **“Export to Excel”** exports the result of the search in an excel file.

The Excel files will be generated in advance on the Zenit server and subsequently downloaded locally.

The file name generated will be as follows, for the **list of PoS**:

* “PoSFound\_<yyyymmddhhmm>.xlsx”

where

* <yyyymmddhhmm> corresponds to the year, month, day, hour, and minutes of the extraction in Excel;

and the file includes all the data presented in the table, after the search.

The file name generated will be as follows, for a **Single PoS**:

* ·       “SinglePoS\_<idrice>\_<zonarice>\_<yyyymmddhhmm>.xlsx”

where

* <idrice> corresponds to the identifier of the Single PoS in reference;
* <zonarice> corresponds to the reference area of the Single PoS;
* <yyyymmddhhmm> corresponds to the year, month, day, hour, and minutes of the extraction in Excel;

and the file includes not only the data present in the header, but also all information related to all sections.

The file name generated will be as follows, for **Related PoS**:

* “RelatedPoS\_<idrice>\_<zonarice>\_<yyyymmddhhmm>.xlsx”

where

* <idrice> corresponds to the identifier of the Single PoS in reference;
* <zonarice> corresponds to the reference area of the Single PoS;
* <yyyymmddhhmm> corresponds to the year, month, day, hour, and minutes of the extraction in Excel;

and the file includes all the Related PoS presented in the table.

### XPS-ZENIT-330 - Dashboard - Single PoS - “Credit Management“

The "Credit Management" section provides a complete overview of the situation of the Credit Lines/Products associated with a PoS organized into specific sections based on the type of credit line.

This section must be active by default when viewing the individual PoS, in order to immediately offer an overview of credit management.

In the absence of a credit line, the value will be equal to zero for all data.

For each line of credit / product the following information will be visible:

* “FIDO SIMP GG” / Daily
  + The daily credit limit SIMP consists of four lines of credit/product:
    - TOTOCALCIO
    - IPPICA
    - SPORT QF
    - VIRTUAL
  + and a global line with a total import:
    - GLOBALE
* “FIDO SIMP WK” / Weekly
  + The rolling weekly (for example, the last 7 rolling days) credit limit SIMP consists of four lines of credit/product:
    - TOTOCALCIO
    - IPPICA
    - SPORT QF
    - VIRTUAL
  + and a global line with a total import:
    - GLOBALE
* “FIDO GEO” / Weekly
  + The weekly (Accounting Period) credit limit GEO consists of three lines of credit/product:
    - GNTN
    - CORNER
    - ONLINE
  + A comprehensive summary that includes the total import calculation:
    - TOTALE

Every line of credit, regardless of the type, will contain the following **information**:

|  |  |
| --- | --- |
| Data | Description |
| **Base Amount (BASE)** | The standard amount assigned to the credit line represents an initial fixed value. |
| **Extension Amount (ESTENSIONE)** | Temporary increase of the available credit limit. |
| **Total (TOTALE)** | The sum of 'Base Amount' and 'Extension'. |
| **Consumed (CONSUMATO)** | The actual amount used of the credit line. |
| **% Consumed (%CONSUMO)** | The relationship between "Consumed" and "Total" is expressed as a percentage. |
| **Residue (RESIDUO)** | The difference between "Total" and "Consumed" represents the remaining availability. |

Each section, divided by type, will include:

* A table containing the relevant lines.
* Each row will represent a product line.
* The columns will be dedicated to the fields described previously;

**Totals Section (at the bottom of the page)**

At the conclusion of this section, **summary totals** will be presented:

* **Total Daily Credits**  
  Represents the sum of all metrics related to daily credits.
* **Total Weekly Credits (Rolling + Static)**  
  Indicates the overall sum of weekly credits, including both rolling and static values.

### XPS-ZENIT-335 - Dashboard - Single PoS - “PoS Master Data“

This section offers a comprehensive overview of the Master Data related to Point of Sale (PoS) systems. It includes information concerning the account holder, terminals, LdB (Location-based Data), and the personal data associated with Betting.

**PoS Data Visualization**

The information that can be displayed is as follows:

* **PV Type**
* **Business Type**
* **Network Cluster**
* **Tax Code PoS**
* **Address**
* **Fraction**
* **Province Code:**
* **Postal Code:**
* **Region;**
* **Country;**
* **Phone;**
* **Phone 2:**
* **email:**

**Holder Data Visualization**

The information that can be displayed is as follows:

* **Last Name of Holder**
* **First Name of Holder**
* **Tax Code of Holder**
* **Mobile of Holder**
* **Mobile of Holder 2**

**LdB Data Visualization**

The information that can be displayed is as follows for each Line of Business:

* **LdB Name;**
* **LdB Status;**
* **Date of the last transfer;**

**Betting Data Visualization**

The information that can be displayed is as follows:

* **SIMP Code;**
* **SIMP Alias:** Variable label composed of SIMP (e.g. TYPE OF POS + RECEIVING AREA, SIMP Code + Agency Name, City)**;**
* **Sports Concession Code;**
* **Horse-Racing Concession Code;**
* **Sports Grant Code;**
* **Horse-Racing Grant Code;**

**Terminal Data Visualization**

The information that can be displayed is as follows for each type of terminal:

* **Terminal Type;**
* **Number of Terminals by Type.**

**Other Data Visualization**

The information that can be displayed is as follows:

* **Prepaid flag;**
* **Mysisal flag;**
* **Activation date of the channel 1;**
* **Date of the last transfer (Voltura);**
* **AM**: last name and first name of the AM;

The interface will display data based on the user profile in use, and the extractions will be limited to only the information actually visible from that profile.

### XPS-ZENIT-340 - Dashboard - Single PoS - “Contracts”

In this section, the list of documentation related to the contracts associated with the point of sale will be displayed.

The information that can be displayed is as follows:

* Contract Type (e.i. Contract Type Betting, VLT, AWP, PGS and PGI);
* Contract Name;
* Upload date in the System.

|  |
| --- |
| The viewing of the contract document must be done through the systems currently in use. |

### XPS-ZENIT-345 - Dashboard - Single PoS - “Guarantees”

This section offers a comprehensive overview of the Guarantees Data related to Point of Sale (PoS) systems.

The information that can be displayed is as follows:

* **Start Date**: Indicates the start date of the bank guarantee's validity. (Expected format: dd/mm/yyyy or another standard date format).
* **Expiration Date**: Indicates the expiration date of the bank guarantee, that is, the deadline after which the guarantee is no longer valid.
* **Bank Guarantee**: Maximum amount guaranteed by the bank guarantee. (Format: Monetary value, for example "10,000.00 €").
* **Deposits**: Amounts possibly deposited as direct guarantees (e.g., cash deposits). (Format: Monetary value).
* **Reserves**: Funds set aside (reserved) as a form of guarantee. (Format: Monetary value).
* **Total Guarantees:** Sum of all guarantee amounts: Bank Guarantee + Deposits + Reserves. (Format: Automatically calculated monetary value).

### XPS-ZENIT-350 - Dashboard - Single PoS - “Unpaids”

This section offers a comprehensive overview of the Unpaids Data related to Point of Sale (PoS) systems.

The number of Unpaids issues that can be displayed is as follows:

* **Current Year:** Number of defaults recorded from the beginning of the calendar year until today (calculated on Zenit);
* **Rolling 6 months:** Number of defaults recorded in the last 6 months, calculated backward from the current date(calculated on Zenit);
* **Rolling 12 months :** Number of defaults recorded in the last 12 months, calculated backward from the current date(calculated on Zenit);

### XPS-ZENIT-355 - Dashboard - Single PoS - “Borderò”

This section offers a comprehensive overview of the Borderò Data related to Point of Sale (PoS) systems.

The information that can be displayed is as follows:

* **Last Borderò Number:** Numeric identifier of the most recent borderò recorded (e.g., “1645”).
* **Start of Accounting Period:** Start date of the accounting period to which the borderò refers.
* **End of Accounting Period:** End date of the accounting period in reference.
* **Last Borderò Amount:** Total economic value of the last borderò recorded (e.g., "1,000.00 €").
* **Average Amount Current Year:** Average of the amounts of the borderòs recorded from the beginning of the current year to date (calculated, on Zenit, as total amounts divided by the number of borderòs).
* **Average Amount Rolling 12 Months:** Average of the amounts of the borderòs in the last 12 months, calculated (on Zenit) dynamically from the current date.

**Link ArchiCON**

The system displays a button, visible only to users with the appropriate privileges. This function allows the user to view the Borderò associated with a specific PoS through a direct link to the ArchiCON platform. The system generates a link that redirects the user to the ArchiCON interface, where it is possible to consult the Borderò based on the assigned permissions.

### XPS-ZENIT-360 - Dashboard - Single PoS - “ADI Data“

This section displays data related to AWP and VLT devices, broken down by type of management, collection method, and level of responsibility. Year-to-date (YTD) averages are also included to help illustrate overall trends.

**AWP Data Visualization**

The interface must allow for the structured and aggregated visualization of AWP data, divided into three blocks:

* **AWP Management**
* **AWP AC Management**
* **AWP Third Parties**

For each block, the AWP numbers must be displayed divided by type of collection (IAG and NOIAG), along with the total AWP for each block.

For the only AWPs in management, it will be necessary to also see to whom the keys related to the Drawer, Counter, and Change Machine (e.g. "ESERCENTE") are associated.

**Total Summary AWP and VLT**

The interface must present an overall summary that includes:

* Total AWP
* Average number of AWP (YTD)
* Number of VLT
* Average number of VLT (YTD)

**Loading coins (Hopper) Data Visualization**

This section provides a detailed analysis of the amounts recorded in the coin loading device (hopper), broken down by origin or purpose. The data is as follows:

* **NOIAG** (Hopper NOIAG) - Amount preloaded onto the NOIAG AWPs and/or on the Change Machine;
* **AWP IAG - End of Relationship** (Hopper IAG - Fine Rapporto) Amount preloaded onto the IAG AWPs that will be returned at the end of the relationship.
* **Change Machine IAG - End of Relationship** (Cambia Monete) - amount preloaded onto the IAG Change Machine that will be returned at the end of the relationship.
* **IAG for Recovery** (Hopper IAG - Recupero) amount preloaded onto the IAG AWPs and/or on Change Machine and that will be replenished through weekly automatic withdrawals;
* **Total** – Overall sum of all the items listed above, representing the total amount loaded into the “hoppers” and “change machine”.

### XPS-ZENIT-365 - Dashboard - Single PoS - “Risk Data“

This section offers a comprehensive overview of the Risk Data related to Point of Sale (PoS) systems.

The graphical interface offers a summary table that highlights the main risk indicators associated with a customer or a point of sale. The data is presented in a tabular format and is structured in columns, containing the following data:

* **RedList**: Indicates whether the subject is present in a predefined risk list (“Yes” or “No”).
* **Insolvent Rolling 6 months**: Number of insolvencies recorded in the last 6 months.
* **General Reason**: Brief description of the associated risk (e.g., “Customer at risk”).
* **SIMP Management**: Status or outcome of internal checks of the SIMP channel.
* **SIMP Reason**: Detailed motivation of the checks of the SIMP channel in relation to the risk.
* **Scoring**: Numerical score assigned by Cerved to the subject, indicative of the overall risk.
* **Risk Cluster**: Category or risk band to which the subject belongs (e.g., “Medium”, “High”), determined based on Cerved Scoring.
* **Activity Status**: Current operational status retrieved from Cerved (e.g., “ACTIVE”, “SUSPENDED”, “CLOSED”).

### XPS-ZENIT-370 - Dashboard - Single PoS - “Winning Data“

This section provides a detailed overview of Winning Data (Sport QF and Virtual Race) related to Point of Sale (PoS), designed to equip authorized users with a clear, interactive, and up-to-date tool for monitoring and analyzing winnings. It places particular emphasis on the accurate attribution and management of payments.

The display system, both in aggregated and detailed form, is based on a dynamic reference day. The interface offers the possibility to:

* Analyze the paid winnings, those not paid, and those paid in agencies different from the original ones.
* Ensure safe and customized use, in accordance with the user's authorization levels.

**Data Visualization**

* **Display of Monitoring Categories**
  + Organized presentation in three sections:
    - **Sport Ticket Payments in Other Agencies**
    - **Ticket Sports Not Paid**
    - **Ticket VR Not Paid**
  + Tables with headers, aggregated rows, and subtotals
* **Detailed Visualization of Winnings**
  + Consultation of the main data related to each win:
    - **Seller Agency Code**: The SIMP Code of the Agency where the sell was made is a fixed string of 6 characters, filled on the left with zeros (e.g. 000045); In the case of a "Corner" type PoS, a prefix is added that consists of the zone number, represented by four characters filled with leading zeros. This prefix is followed by a hyphen "-" and the SIMP code of the agency, filled out as described previously (e.g. 0001-000045).
    - **Competence (event) Day** corresponds to the date of the win;
    - **Cash day**: the date of the sell of the bet;
    - **Winning payment Day**: it is the date on which the payment of the winnings was made; This data will only appear on “tickets paid at other sales points”;
    - **Agency Code Payment** is a fixed string of 6 characters, corresponding to the SIMP code of the agency where the payment was made, filled on the left with zeros (e.g., 000045); This data will only appear on “tickets paid at other sales points”;
    - **PoS Identifier of the payment** corresponds to Zona Rice to the PoS payment, where Rice is a fixed four-character string, left-padded with zeros (e.g., "MI0001"). This data will only appear on “tickets paid at other sales points”;
    - **Amount Bet** : the amount of the sell related to the bet.
    - **Amount Won**: the amount of the prize paid.
    - Final subtotals for each expanded section indicate that the aggregations for “**Ticket Payments in Other Agencies”** are organized by payment date, while the other two sections are categorized based on the date of competence.
      * **Total Winnings Amount:** the total amount of winnings aggregated for the reference date;
      * **Number of Winnings:** the total number of winnings aggregated for the reference date;
      * **Winnings Payment Date:** the payment date, present exclusively on **Tck Payments in Other Agencies**.

**Additional Functions**

* **Management of the Reference Day**
  + Automatic identification of the reference day, based on the most recent data upload date.
  + Option for the user to manually select an alternative date from those available.
* **Interactive Navigation between Aggregated Data and Details**
  + Expand and collapse rows to show or hide the details of individual plays.
  + “Expand/Collapse All” button to manage the display globally.

### XPS-ZENIT-375 - Dashboard - Single PoS - “Business Data“

This section offers a comprehensive overview of the Business Data related to Point of Sale (PoS) systems.

This section presents data related to:

* GNTN amount collected from RETINA which are imported weekly through the "Massive Importer" function;
* Business Data from CdG with the "Corner," "Shop," and "Gaming Hall," which are imported monthly through the "Massive Importer" function regarding "Management Control" data. Depending on the type of PoS, only the relevant belonging block will be displayed.

**“GNTN amount collected” Data Visualization**

In this sub-section, you will find the following information:

* The total media amount collected for GNTN year-to-date (YTD) on a weekly;
* Upload date in the system;
* Reference week of the data;
* Reference year of the data;

**“Business Data” Data Visualization**

On each sub-section, the following information will be displayed:

* Upload date in the system;
* Reference month of the data;
* Reference year of the data;

Below is a detailed description of the content of the various sub-sections:

* **“Corner” Data Visualization**
  + The interface will be **organized in a table layout** with **distinct data groups**, each representing a category of information related to various types of collections, revenues, and fees, distributed by year (YTD, "Year To Date").
  + The data will be presented in multiple sections or separate blocks, which can be displayed horizontally or vertically depending on the preference for better readability.
  + The information that can be displayed is as follows:
    - **Amount Collected Data**
      * **Sports Amount Collected (YTD):** Total sports amount collected from the beginning of the year;
      * **CPS Amount Collected (YTD):** Total Totocalcio amount collected from the beginning of the year;
      * **Horse-Racing Amount Collected (YTD):** Total horse racing amount collected from the beginning of the year;
      * **VR Amount Collected (YTD):** Total Virtual Race amount collected from the beginning of the year;
      * **Total Betting Amount Collected (YTD):** Total betting Amount collected (Sports + CPS + Horse-Racing + VR);
      * **AWP Amount Collected (YTD):** Total AWP amount collected from the beginning of the year;
      * **GNTN Amount Collected (YTD):** Total GNTN amount collected from the beginning of the year;
      * **Total Amount Collected (YTD):** Total amound collected (Betting + AWP + GNTN);
    - **Revenue Data**
      * **Sports Revenues (YTD)**: Total sports revenues since the beginning of the year;
      * **CPS Revenues (YTD):** Total totocalcio revenues since the beginning of the year;
      * **Horse-Racing Revenues (YTD):** Total horse racing revenues since the beginning of the year;
      * **VR Revenues (YTD):** Total Virtual Race revenues since the beginning of the year;
      * **Total Betting Revenues (YTD):** Total betting revenues since the beginning of the year;
      * **AWP Revenues (YTD):** Total AWP revenues since the beginning of the year;
      * **GNTN Revenues (YTD):** Total GNTN revenues since the beginning of the year;
      * **Total Products Revenues (YTD):** Total products revenues since the beginning of the year;
      * **PGI/PGS Fee (YTD):** PGI/PGS fee since the beginning of the year;
      * **MySisal Fee (YTD):** MySisal fee since the beginning of the year;
      * **Total Revenues (YTD):** Total revenues since the beginning of the year.
    - **Fee Data**
      * **Fee Sport (YTD)**: Total sport fees since the beginning of the year;
      * **Fee VR (YTD)**: Total Virtual Race fees since the beginning of the year;
      * **Total Fee Betting (YTD)**: Total Betting fees since the beginning of the year;
      * **Fee AWP (YTD)**: Total AWP fees since the beginning of the year;
      * **Fee Lottery (YTD)**: Total Lottery fees since the beginning of the year;
    - **Business Contribution (YTD):** Business Contribution since the beginning of the year;
    - **Online Revenues (YTD):** Total online revenues since the beginning of the year;
    - **Online Share Revenues (YTD):** Total online share revenues since the beginning of the year;
    - **Online PT (YTD):** Total online PT since the beginning of the year;
    - **Online Contribution (YTD):** Total online contribution since the beginning of the year;
    - **Post Online Business Contribution (YTD):** Total Post online business contribution since the beginning of the year;
    - The following data is calculated, on Zenit, as follows:
      * **BC Year Projection:** (Business Contribution (YTD) / <Previous Months>) \* 12
      * **Decile:** BC year projection / 10;
      * **Exposure Risk:** Current year medium borderò \* 1.8;

Where <Previous Months> represents the reference number for the month of the data.

* **“Shops” Data Visualization**
  + The information that can be displayed is as follows:
    - **Total Revenues:** Total revenues;
    - **Business Contribution**;
    - **Business Contribution Online**;
    - **Business Contribution Post Online**;
* **“Gaming Hall” Data Visualization**
  + The information that can be displayed is as follows:
    - **VLT Revenues:** Total VLT revenues;
    - **AWP Revenues:** Total AWP revenues;
    - **Business Contribution**;
    - **Business Contribution Post Online**;

If the PoS does not fall into any of these categories, a message will be displayed saying "no data available" or the section will not be visible.

### XPS-ZENIT-380 - Dashboard - Single PoS - “Documents“

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| **Use Case No.:** | XPS-ZENIT-380 |
| **Name:** | Dashboard - Single PoS - “Documents” |
| **Description:** | The user accesses the "Documents" section and the system queries the Cerved and Arxivar APIs to retrieve the updated list of documents.  In this section, the system must allow the user to view the list of documents coming from two external sources (Cerved and Arxivar), ensuring security and private access. |
| **Primary Actor:** | ZENIT User with privileges to view Cerved and Arxivar documents |
| **Secondary Actor:** | ZENIT  Cerved  Arxivar |
| **Preconditions:** | * The user has logged into the system. * The *Cerved and Arxivar* document is available. * The Cerved and Arxivar system is reachable. |
| **Postconditions:** | * The dashboard will show a structured list of documents, divided by source (Cerved and Arxivar). * Each document must present minimal metadata: name and source. |
| **Main Scenario:** | 1. The user accesses the "Documents" section in the dashboard. 2. The system sends requests to the Cerved and Arxivar APIs to retrieve the list of documents. 3. The user can scroll through the list and select a document. |
| **Alternative Scenario n°1:** | *3.a - View Document*  By clicking on a document, the user will be able to view it the default user tool (PDF Viewer or similar); |
| **Exception n°1:** | * The Cerved system is not available → show an error. * The Arxivar system is not available → show an error. |
| **Frequency of Use:** | for each inquire |
| **Open Points:** | n.a. |

### XPS-ZENIT-385 - Dashboard - Single PoS - “Notes/Comment“

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| **Use Case No.:** | XPS-ZENIT-385 |
| **Name:** | Dashboard - Single PoS - “Notes/Comment” |
| **Description:** | Display all notes associated with the selected POS, ordered from the most recent to the least recent. |
| **Primary Actor:** | ZENIT User with privileges to view Notes |
| **Secondary Actor:** | ZENIT |
| **Preconditions:** | * The user has logged into the system. * The user has permissions to view the notes. |
| **Postconditions:** | * The dashboard will show a structured list of notes. * Each notes must present minimal metadata: date, owner, notes. |
| **Main Scenario:** | 1. The user accesses the "Notes" section in the dashboard; 2. The system queries the database to retrieve all notes associated with the POS; 3. The notes are sorted by date in **descending** order (most recent at the top); 4. Each displayed note includes:    1. Insert Date;    2. Author of the note;    3. Text content; |
| **Alternative Scenario n°1:** | *4.a - Adding Note*   * Users with write permissions can add a new note; * The interface must include an editable text field, accompanied by buttons for “Save” and “Cancel”. * Each operation must be logged in the system logs (user, date/time, operation, note content). |
| **Exception n°1:** | * No notes recorded → message “No notes present for this POS” |
| **Exception n°2:** | * If the user does not have permissions to view the note:   + The note area will be hidden or disabled.   + A message like: “Unauthorized access to the POS note” may be displayed. |
| **Frequency of Use:** | for each inquire |
| **Open Points:** | n.a. |

### XPS-ZENIT-390 - Dashboard - Related PoS

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| **Use Case No.:** | XPS-ZENIT-390 |
| **Name:** | Dashboard - Related PoS |
| **Description:** | Within the Dashboard - “Single PoS”, the user can access the “Dashboard - Related PoS” section, where the system automatically performs a search to identify other PoS linked to the displayed PoS, according to specific comparison criteria. The results are displayed in a table with the option to access the details and export the data to Excel (only if results are present). |
| **Primary Actor:** | ZENIT User with privileges to view Related PoS |
| **Secondary Actor:** | ZENIT |
| **Preconditions:** | The user has logged into the system.  The user has permissions to view the “Related PoS”. |
| **Postconditions:** | The dashboard will show a structured list of Related PoS. |
| **Main Scenario:** | 1. The user accesses the "Related PoS" section in the dashboard Single PoS; 2. The system automatically initiates a search by comparing the data of the selected PoS with all the PoS present in the database. By default, the search excludes closed PoS, but there will be a checkbox available that will allow including them if selected. 3. The system identifies the PoS that match at least one of the following criteria:    * Same VAT number of the PoS;    * Same Tax code of the PoS;    * Same Name of the holder;    * Same VAT number of the holder;    * Same Tax code of the holder;    * Same Email address;    * Same Company name;    * Same Denomination; 4. If the search produces one or more results, the system displays the result 5. The results must be shown in a table or list with columns representing the various fields, the same data view for the “**PoS Found”** and the Relationship info (for example, “Same VAT Number Holder”, “Same Email”, etc.). Each row in the table must represent a single POS. |
| **Alternative Scenario n°1:** | *5.a - No PoS found*  If no PoS are found that matches the search criteria, the system shows a notification indicating that no results were found.  No table is displayed  The "Export to Excel" button is disabled or not visible |
| **Alternative Scenario n°2:** | *5.b - Include closed PoS*  The user selects the **checkbox “Include closed PoS”**, present in the interface. In this case, the system also includes the closed PoS present in Zenit in the comparison with the selected PoS. See *main scenario* for the standard behavior of the search (without selecting the checkbox). |
| **Alternative Scenario n°3:** | *5.c - Select a POS from the list:*  Click on the edit icon near to the desired POS. The system retrieves and displays the details of the selected POS on the "Single PoS" screen. |
| **Exception n°1:** | **Database connection error or timeout**   * The system displays an error message to the user (“Error retrieving data”) |
| **Frequency of Use:** | for each inquire |
| **Open Points:** | n.a. |

## Massive Importer

**General premise**

* Massive Importer allows you to import into Zenit all those data that cannot be retrieved from internal or external systems. In this perspective, the Massive Importer function could be used to compensate for the initial lack of integration with certain systems; once the integration with the data owner system is activated, it will be possible to avoid importing that data using the Massive Importer. The import functionality, although still available, is deprecated and should be used only as a backup.
* It is necessary to provide an informational message in case the user attempts to use the Massive Importer while the integration with the data owner’s system is active.
* It is mandatory that the excel file must maintain its original form, no changes to the structure or format of the cells are allowed, to ensure the integrity of the information and the consistency of the data during the import process.
* The names of the Excel files used for imports are those currently in use and may change over time. For further details, please refer to the attached Excel files mappings (*ZENIT - Excel files mapping* - the link to the file is available in the Appendix chapter), which contains the names of the files currently in use.
* The complete list of data to be imported for each file is included to the attached Excel files mappings (*ZENIT - Excel files mapping*). However, as the acquisitions become available through the source systems, the related data may no longer be subject to import. The import functionality, although still available, is deprecated and should be used only as a backup.
* The data to be imported is specified in an external file *ZENIT - Elenco Dati* that contains:
  + List of Excel files to import;
  + An indication of how the data in the file may be imported into the system:
    - **Manual**: the data may be manually uploaded by the user.
    - **Integration**: the data may be automatically acquired through integration with external systems.
    - **Both**: the data may be acquired both manually and via integration.
  + Data to import for each Excel file.

**Template file**

The **Massive Importer** functionality allows the import of data from Excel files using predefined templates, aiming to speed up the data loading process, automate information management in the system, and ensure data security.  
To simplify and accelerate the import process, an Excel template will be provided for each type of data to be uploaded. This template will ensure a consistent structure that is easily importable into the system while also excluding any sensitive data that might be present in certain Excel files.

Where applicable, it will be possible to use a custom Excel managed through a template created based on the current Excel file used today by the Credit Office.

A standard Excel file, ready for use, will be provided for each import. Those who need to submit data must follow these simple steps:

1. Copy the data from their file into the provided template.
2. Remove any formulas, leaving only static values in the file. To do this, use the "Paste values" option to remove formulas.
3. Ensure that the file meets the following requirements:
   * Save the file in .xlsx format (not in .xls, .csv, or other formats).
   * Each column must adhere to the expected data format (e.g., numeric, text, date, etc.) as outlined in the template.
   * There should be no empty rows within the data block.
   * The file must contain only one worksheet.
   * The headers must be in the first row, exactly as in the template.
   * The structure must match the template exactly (number and order of columns, data type, etc.).
   * There should be no merged cells, pivot tables, or other advanced Excel elements.

Using these standardized templates not only makes data loading easier and faster, but by ensuring that no sensitive or unnecessary data is imported, it guarantees safer and more compliant data management.

**File size limitations**

There may be limitations on the file size (in MB). It is recommended to ensure that the file does not exceed a certain size (for example, 15 MB). If the file is too large, a double submission will be allowed, splitting the data into two separate files while still adhering to the structure and guidelines of the template.  
Exact specifications for file size management will be defined and refined during the implementation phase.

### XPS-ZENIT-500 - Massive Importer

It allows you to make massive changes to PoS and Credit Line information by importing a file with the data to be updated. The file to be imported must have the data in the expected format. To facilitate the successful import of a file with the required fields, in several cases, a template of the file to be filled in is provided, where the user enters the required data and reloads the file to be used for the update.

The functionalities present are:

* Import RedList Data;
* Import Contract Types Corner - PGS;
* Import Contract Types Corner - PGI;
* Import Contract Types - AWP;
* Import Contract Types “Specializzati“;
* Import RETINA;
* Import Profit and Loss - Shops;
* Import Profit and Loss - Gaming Hall;
* Import Profit and Loss - Corner;
* Import QR Corner Data;
* *Import Offline PoS Data Storage;*
* Import Tracking Winnings - Tickets paid at other agencies;
* Import Tracking Winnings - Unpaid winning SPORT tickets;
* Import Tracking Winnings - Unpaid winning VR tickets;
* Import AWP Another Dealer;
* Import DATABASE RETE;
* Import DB Corner;
* Import GNTN Credit Situation;
* Import Corner Credit Situation;
* Import Conti Gioco Credit Situation;
* Import SIMP Credit Situation;
* Import Cerved Data;

The individual functions listed are explained in detail in dedicated use cases.

The flow for massive update is as follows:

* Select the desired type of massive importer;
* Choice for the user between:

a) uploading an already compiled file;

b) download the template and after appropriate update, reload it (Step a)

* Start of the massive importer, with the relevant checks on the file and a summary of the updates that will be made (e.g. update required for 500 PoS).
* at the end of the update operation, evidence of successful and/or unsuccessful updates.

The system will perform a structural check of the file to ensure that the format complies with the required template and that all mandatory fields are present. Subsequently, it will execute a validation on the contained data, checking that the values are consistent with the established rules (formats, mandatory fields, data integrity).

Massive updates requested and completed (successful, KO or successful with errors) or only requested are collected in a history section, which must contain the name of the file used and the summary of the outcome. Under the file import form, there are the table with the results of the previous processing.

In the output file downloadable from the history, if errors are present they must be indicated in the ERROR DESC column (e.g. 'PoS unavailable on DB').

### XPS-ZENIT-501 - Import Red List

In phase 1, where there will be no automatisms and dispositive actions, the data of interest related to the RedList to be integrated into Zenit can be imported by updloading the reference excel file.

The excel file can be uploaded "On Demand" directly from the interface made available in ZENIT.

The reference excel file, today, created/maintained by the Credit Office is monthly:

* "*REDLIST\_M<m>\_<yyyy>.xlsx*"

(where *<m>* corresponds to the reference month number and *<yyyy>* the reference year)  
This file contains all the PoS of the active network.

The information of interest listed in the requirements is all present on the "DATABASE" sheet.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import RedList*".

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Risk Data” Tab.

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| During the Zenit Phase 1, the Excel file must be uploaded in synchronization with those of systems GEO and SIMP, to ensure the best possible alignment. |

### XPS-ZENIT-502 - Import Contract Types Corner

The goal of this feature is to allow users to import information related to PGS and PGI type contracts into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the BOA office, named “REV Rete Attiva <ddmmyyyy>” (<ddmmyyyy> = day, month and year of reference), contains two sheets: one dedicated to PGI contracts and one to PGS contracts. However, this file cannot be imported directly into the system. It is required that the user accesses the file received from BOA, extract the data related to PGS and PGI contracts, and transcribe them into two separate Excel files, using the dedicated templates provided by the system — one for PGS contracts and one for PGI contracts — while maintaining the structure required by the system.

The user will manually upload two separate files by accessing the application in the "Massive Importer" section and selecting the appropriate option:

* "*Import Contract Types Corner* - PGS;
* "*Import Contract Types Corner* - PGI;

If the validation is successful, ZENIT will update the contractual information for each point of sale, using ZONA RICE as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Contracts” Tab.

### XPS-ZENIT-504 - Import Contract Types - AWP

The goal of this feature is to allow users to import information related to AWP type contracts into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the BOA office, named “REV PV AWP <*ddmmyyyy*>” (<ddmmyyyy> = day, month and year of reference), contains one sheet dedicated to AWP contracts. It is required that the user accesses the file received from BOA, extracts the data related to AWP contracts, and transcribes it into the Excel template dedicated to AWP, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Contract Types - AWP*.

If the validation is successful, ZENIT will update the contractual information for each point of sale, using ZONA RICE as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Contracts” Tab.

### XPS-ZENIT-505 - Import Contract Types - Specializzati

The goal of this feature is to allow users to import information related to Betting and VLT type contracts into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file, named “ELENCO CONTRATTI PV SPECIALIZZATI.xlsx”, contains multiple sheets: One of these sheets contains contract types. However, this file cannot be imported directly into the system. It is required that the user accesses the file, extracts the data related to Betting and VLT contracts, and transcribes it into the Excel template dedicated to this Contract Types, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Contract Types - Specializzati*".

If the validation is successful, ZENIT will update the contractual information for each point of sale, using ZONA RICE as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Contracts”” Tab.

### XPS-ZENIT-510 - Import RETINA

The goal of this feature is to allow users to import information related to PoS of the active network, (PoS Master Data and weekly media collection for GNTN) into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The perimeter of the RETINA identifies the Stores potentially "active" for Sisal on the Sunday of the week just ended. The RETINA considers the new openings and closures related to GNTN and Corner.

The original file produced weekly by the Business Analysis (BA) office, named “RETINA\_<ww>\_<yyyy>\_FdV Q<q>1\_senza\_tg” (where <ww> is the week number, <yyyy> is the reference year, and <q> is the quarter number), contains two sheets: one dedicated to PoS Data. However, this file cannot be imported directly into the system. It is required that the user accesses the file received from BA, extracts the data related to PoS, and transcribes it into the Excel template dedicated to RETINA Data, maintaining the structure required by the system.

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| It is essential to also include the week number and year of reference for the data, as this information will need to be displayed on the dashboard. |

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import RETINA*".

If the validation is successful, ZENIT will update the information for each point of sale, using IDRICE and ZonaRice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Business Data”.

### XPS-ZENIT-511 - Import Profit and Loss - Shops

The goal of this feature is to allow users to import information related to Collection, Revenues and Fees information related to PoS typing: Shops into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced monthly by the Management Control (CdG) office, named *P&L shops YTD M<mm> <yyyy> Sent.xlsx*“ (where <mm> represents the month number formatted as “00” and <yyyy> indicates the corresponding year), contains multiply sheets: one dedicated to *DB POS YTD M<mm>*“ (where <mm> represents the month number formatted as “00”). However, this file cannot be imported directly into the system. It is required that the user accesses the file received from CdG, extracts the data related to PoS, and transcribes it into the Excel template dedicated to P&L Shops Data, maintaining the structure required by the system.

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| It is essential to also include the month and year of reference for the data, as this information will need to be displayed on the dashboard. |

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Profit and Loss - Shops”*.

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Business Data” and “Dashboard - Single PoS - “ADI Data“ Tab.

### XPS-ZENIT-512 - Import Profit and Loss - Gaming Hall

The goal of this feature is to allow users to import information related to Collection, Revenues and Fees information related to PoS typing: Gaming Hall into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced monthly by the Management Control (CdG) office, named “*P&L GAMING HALL YTD M<mm> <yyyy> sent.xlsx*“ (where <mm> represents the month number formatted as “00” and <yyyy> indicates the corresponding year), contains multiply sheets: one dedicated to *DB YTD*. However, this file cannot be imported directly into the system. It is required that the user accesses the file received from CdG, extracts the data related to PoS, and transcribes it into the Excel template dedicated to P&L Gaming Hall Data, maintaining the structure required by the system.

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| It is essential to also include the month and year of reference for the data, as this information will need to be displayed on the dashboard. |

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Profit and Loss - Gaming Hall*".

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Business Data” and “Dashboard - Single PoS - “ADI Data“ Tab.

### XPS-ZENIT-513 - Import Profit and Loss - Corner

The goal of this feature is to allow users to import information related to Collection, Revenues and Fees information related to PoS typing: Corner into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced monthly by the Management Control (CdG) office, named “*P&L Corner YTD M<mm> <yyyy> SENT.xlsx*“ (where <mm> represents the month number formatted as “00” and <yyyy> indicates the corresponding year), contains multiply sheets: one dedicated to DB pos YTD M<mm>“ (where <mm> represents the month number formatted as “00”). However, this file cannot be imported directly into the system. It is required that the user accesses the file received from CdG, extracts the data related to PoS, and transcribes it into the Excel template dedicated to P&L Corner Data, maintaining the structure required by the system.

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| It is essential to also include the month and year of reference for the data, as this information will need to be displayed on the dashboard. |

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Profit and Loss - Corner*".

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Business Data” and “Dashboard - Single PoS - “ADI Data“ Tab.

### XPS-ZENIT-514 - Import QR Corner

The goal of this feature is to allow users to import the Data Activated (Date Activated for channel 1) into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced monthly by the “Network Distribution” office, named “QR\_Corner\_<month> <yyyy>“ (where <month> represents the name of month and <yyyy> indicates the corresponding year), contains multiply sheets: one dedicated to “QR\_corner\_M<mm>\_<yyyy>“ (where <mm> represents the month number formatted as “00” and <yyyy> indicates the corresponding year). However, this file cannot be imported directly into the system. It is required that the user accesses the file received from Network Distribution, extracts the data related to PoS, and transcribes it into the Excel template dedicated to PoS Master Data, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import “QR Corner”*".

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Master Data” Tab.

### XPS-ZENIT-520 - Import Offline PoS Data Storage

Information relating to PoS that are not currently collecting, or are resolved, but which are under legal management or have recorded a loss transition in recent years, must be uploaded.

The file will be produced manually using a template made available to the user and will have to be imported into Zenit and any subsequent changes will update the data on Zenit.

In the Excel file to be imported (e.g. *PoS\_Offline*), it is expected that there will be historical PoS not included in the MDM system, which may have outstanding issues or ongoing disputes. Therefore, it is confirmed that the personal data required for these PoS must be imported exclusively from the file provided during the upload phase, without the possibility of automatic acquisitions from other systems. Offline PoS should be considered as Closed PoS in every respect.

|  |
| --- |
| Even though the Write-off applied Flag (Write-off to Losses) data will not currently appear on the Dashboard, the entered data is still saved and stored, so it can be used in the future. |

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Offline PoS Data Storage*".

If the validation is successful, ZENIT will update the information for each point of sale, using ID Rice and Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS”.

### XPS-ZENIT-530 - Import Tracking Winnings

The goal of this feature is to allow users to import information related to Tracking Winnings into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the DWH system, named "Monitoraggio\_Pagamento\_Vincite <yyyy-mm-dd>" (Where <yyyy-mm-dd> is the reference date) , contains three sheets: one dedicated to Sport Tickets paid at other agencies, one to Unpaid winning SPORT tickets and one to Unpaid winning VR tickets. However, this file cannot be imported directly into the system. It is required that the user accesses the file received from DWH, extract the data related to Sport Tickets paid at other agencies, one to Unpaid winning SPORT tickets and one to Unpaid winning VR tickets, and transcribe them into three separate Excel files, using the dedicated templates provided by the system while maintaining the structure required by the system.

The user will manually upload three separate files by accessing the application in the "Massive Importer" section and selecting the appropriate option:

* "Import Tracking Winnings - Tickets paid at other agencies";
* "Import Tracking Winnings - Unpaid winning SPORT tickets";
* "Import Tracking Winnings - Unpaid winning VR tickets".

If the validation is successful, ZENIT will update the Tracking Winnings information for each point of sale, using Seller PoS identifier as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - Winning Data” Tab.

### XPS-ZENIT-533 - Import AWP - Altro Concessionario

The goal of this feature is to allow users to import information related to the number of AWP “Altro Concessionario” into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the DWH system, named "<dd.mm.yyyy>\_DETTAGLIO AWP ALTRO CONCESSIONARIO.xlsx“ (where <dd.mm.yyyy> represents the reference date), contains one sheet sheet. It is required that the user accesses the file received, extracts the data related to AWP detail (“dettaglio“), and transcribes it into the Excel template dedicated to AWP “Altro Concessionario”, maintaining the structure required by the system.

Every record in the Excel sheet corresponds to an AWP. Therefore, it is necessary to retrieve the number of AWPs associated with each PoS.

* **Number AWP AC** - calculated: represents the number of occurrences of records whose identifier is equal to "Zona Rice".

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import AWP - Altro Concessionario*".

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “ADI Data” Tab.

### XPS-ZENIT-534 - Import DATABASE RETE

The goal of this feature is to allow users to import information related to Database Rete into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the Credit Office, named "DATABASE RETE M<m> <yyyy>“ (where <m> represents the month reference number and <yyyy> the year reference number), contains only one sheets. However, this file cannot be imported directly into the system. It is required that the user accesses the file created by Credit Office, extracts the data related to Unpaid winning VR tickets, and transcribes it into the Excel template dedicated to Database Rete, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import DATABASE RETE*".

If the validation is successful, ZENIT will update the information for each point of sale, using ID Rice and Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS”.

### XPS-ZENIT-535 - Import DB Corner

The goal of this feature is to allow users to import information related to Database Corner into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the Credit Office, named DB\_Corner\_<Month> <yy>.xlsx“ (where <Month> represents the month reference name and <yy> the year reference number), contains several sheets: one dedicated to Corner Data: “QR\_corner\_M<mm>\_<yyyy>“ (where <mm> represents the month number formatted as “00” and <yyyy> indicates the corresponding year) . However, this file cannot be imported directly into the system. It is required that the user accesses the file created by Credit Office, extracts the data related to Unpaid winning VR tickets, and transcribes it into the Excel template dedicated to Database Rete, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import DB Corner*".

If the validation is successful, ZENIT will update the information for each point of sale, using ID Rice and Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS”.

### XPS-ZENIT-536 - Import GNTN Credit Situation

The goal of this feature is to allow users to import information related to GNTN Credit Situation into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the BO through ANAFIDIWEB (GEO), named “SITUAZIONE\_FIDI\_Giochi Numerici\_<yyyyymmdd\_hhmmss>.xlsx“ (where <yyyyymmdd\_hhmmss> represents the timestamp reference), contains one dedicated to GNTN Credit Situation. However, this file cannot be imported directly into the system. It is required that the user accesses the file created by BO, extracts the data related to GNTN Credit Situation, and transcribes it into the Excel template dedicated to Lottery Credit Management, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import GNTN Credit Situation*".

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Code and Rice Number as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - Credit Management”.

### XPS-ZENIT-537 - Import Corner Credit Situation

The goal of this feature is to allow users to import information related to Corner Credit Situation into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the BO through ANAFIDIWEB (GEO), named “SITUAZIONE\_FIDI\_Corner\_<yyyyymmdd\_hhmmss>.xlsx“ (where <yyyyymmdd\_hhmmss> represents the timestamp reference), contains one dedicated to Corner Credit Situation. However, this file cannot be imported directly into the system. It is required that the user accesses the file created by BO, extracts the data related to Corner Credit Situation, and transcribes it into the Excel template dedicated to GEO Credit Management, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Corner Credit Situation*".

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Code and Rice Number as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - Credit Management”.

### XPS-ZENIT-538 - Import Conti Gioco Credit Situation

The goal of this feature is to allow users to import information related to “Conti Gioco” Credit Situation into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced by the BO through ANAFIDIWEB (GEO), named “SITUAZIONE\_FIDI\_Conti\_Gioco\_<yyyyymmdd\_hhmmss>.xlsx“ (where <yyyyymmdd\_hhmmss> represents the timestamp reference), contains one dedicated to “Conti Gioco” Credit Situation. However, this file cannot be imported directly into the system. It is required that the user accesses the file created by BO, extracts the data related to “Conti Gioco“ Credit Situation, and transcribes it into the Excel template dedicated to Lottery Credit Management, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Conti Gioco Credit Situation*".

If the validation is successful, ZENIT will update the information for each point of sale, using Zona Code and Rice Number as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - Credit Management”.

### XPS-ZENIT-539 - Import SIMP Credit Situation

The goal of this feature is to allow users to import information related to SIMP Credit Situation into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file named “SISAL-ITALIA-Esportazione esposizione agenzie SISAL ITALIA <ddmmyyyy>.xlsx“ (where <ddmmyyyy> represents the timestamp reference), contains one dedicated to the SIMP Credit Situation. It is required that the user accesses this file, extracts the data related to SIMP Credit Situation, and transcribes it into the Excel template dedicated to SIMP Credit Management, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import SIMP Credit Situation*".

If the validation is successful, ZENIT will update the information for each point of sale, using IdRice and Zona Rice as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS - “Credit Management” Tab.

### XPS-ZENIT-540 - Import Cerved Data

The goal of this feature is to allow users to import information related to Cerved Data into the ZENIT system. The import occurs through an Excel file structured according to a standard template, prepared by the system and distributed to users.

The original file produced weekly by Cerved, named CERVED PER RED LIST.xlsx, contains one dedicated to Cerved Data. However, this file cannot be imported directly into the system. It is required that the user accesses the file created by Cerved, extracts the data related to Cerved DAta, and transcribes it into the Excel template dedicated to Cerved Data, maintaining the structure required by the system.

The user will manually upload the excel by accessing the application in the "Massive Importer" section and selecting "*Import Cerved Data*".

If the validation is successful, ZENIT will update the information for each point of sale, using VAT number or Tax Code as the reference key.

The data can be viewed, for each PoS, from the Dashboard in the “Dashboard - Single PoS”.

## Back-End Procedure

### XPS-ZENIT-600 - Daily historical archiving

A daily nightly snapshot of the data will be scheduled.

To ensure compliance with privacy regulations, it is necessary to delete data related to closed PoS that are not currently active or that have been resolved for a configurable period, usually 10 years. However, this rule does not apply to PoS under legal management or those that have recorded a loss transition in recent years. The PoS are those that present a “status collection” in SAP (*XPS-ZENIT-102- SAP - “Status Collection” Data Acquisition*) or that appear on the list of imported Offline PoS Data Storage(*XPS-ZENIT-520 Import Offline PoS Data Storage*).

If it is necessary to avoid the immediate permanent closure of the PoS — as this could occur before any pending issues are verified — it will be appropriate to foresee a temporary logical closure. This closure, configurable for a determined period, will prevent the display of the PoS and allow for any checks. After the defined period, the PoS can be permanently deleted.  
  
**Continuous and complete data storage**

* The data must be stored daily, without interruptions, starting from the beginning of the project and continuing for the entire duration of the project;
* Data history must be preserved continuously, preserving the historical sequence of information.
* The data storage should be labeled with the date and time of storage;

**Historicization**

The data to be stored is specified in an external file *ZENIT - Elenco Dati V04.1.xlsx* that contains:

* The list of data to be stored (which and how much information should be kept);
* The type of archiving: daily, weekly, monthly for each data point (if required).

The system must be able to retrieve historical data and allow analysis to display any daily storage.

Data must be stored efficiently to ensure optimal performance.

The system must be scalable to handle large volumes of data and ensure that all daily storage can be retrieved easily.

# DESCRIPTION OF INTEGRATIONS WITH SERVICES AND APPLICATIONS

This section describes the relational schema of the integrations that are needed between services (in/out and states) and between applications, in order to properly perform:

|  |  |  |  |
| --- | --- | --- | --- |
| System | Data Type | Frequency | Used Technology |
| MDM | PoS Master Data | Near Real Time | Web Services |
| CERVED | Cerved Data and Report | Daily / On Demand | Web Services |
| COMMA6 | AWP Data | Daily | Web Services |
| VLT | VLT Data | Daily | Web Services |
| GESTORETE | AWP NOIAG Data | Daily / On Demand | Web Services |
| GEO | GEO - Credit Lines Situation | Near Real Time | Database |
| SIMP or DWH | SIMP - Credit Lines Situation | Near Real Time | Web Services (SIMP) or Database (DWH) |
| MST or SIMP or DWH | MST - Credit Lines Situation | Near Real Time | Web Services (SIMP) or Database (DWH) |
| SAP | “Unpaids” Data | Near Real Time | Web Services |
| SAP | “Guarantees” Data | Near Real Time | Web Services |
| SAP | “Status Collection” Data | Near Real Time | Web Services |
| SAP | “Open Credits” Data | Near Real Time | Web Services |
| SAP | “Hopper - Coin Changer” Data | Near Real Time | Web Services |
| DWH | Tracking Winnings Data | Daily | Database |
| VALORIZZATORE | Borderò Data | Weekly / Bi-Weekly | Web Services |
| ORION | Terminal Data | On Demand | Web Services |
| Arxivar | Documents | On Demand | Web Services |
| ArchiCON | link | On Demand | N/A |

The definition of the interface agreement logics will be made explicit with the technical analysis.

# REFERENCE DOCUMENTS

All documentation relating to the project "ZENIT" and used for the drafting of this document, can be consulted on:

* <https://sisalprod.service-now.com/now/nav/ui/classic/params/target/pm_project.do%3Fsys_id%3Dee7e798a3b6b1e10221283d964e45a95%26sysparm_view%3Dtext_search> Project **ZENIT - Phase 1**

# APPENDIX

In this appendix, links to all the reference files used in the functional analysis and mentioned in the document are available.

* File containing the list of data to be predicted in the system: [ZENIT - Elenco Dati\_V\_4.1.xlsx](https://sisalgroup.sharepoint.com/:x:/r/sites/Cross-PlatformsSystems/Shared%20Documents/01.%20PJ/20.%20ZENIT/01.%20Docs/99.%20VARIE/ZENIT%20-%20Elenco%20Dati_V_4.1.xlsx?d=wa20e7a9b13f448e69485992a7c121869&csf=1&web=1&e=6fIWkG)
* File that collects the mockups of the dashboard designed as part of the functional analysis: [ZENIT - Dashboard Mockup - v01.0.xlsx](https://sisalgroup.sharepoint.com/:x:/r/sites/Cross-PlatformsSystems/Shared%20Documents/01.%20PJ/20.%20ZENIT/01.%20Docs/99.%20VARIE/ZENIT%20-%20Dashboard%20Mockup%20-%20v01.0.xlsx?d=w93bc8a69b3b14fb197749d19470669e4&csf=1&web=1&e=eorQxf)
* File with the mapping of user profiles, including the enabled features: [ZENIT - Features and Profiles v1.0.xlsx](https://sisalgroup.sharepoint.com/:x:/r/sites/Cross-PlatformsSystems/Shared%20Documents/01.%20PJ/20.%20ZENIT/01.%20Docs/99.%20VARIE/ZENIT%20-%20Features%20and%20Profiles%20v1.0.xlsx?d=w140da528168541d0bf81412d72e201b8&csf=1&web=1&e=Yj3y6v)
* File containing the mapping of the Excel files to be imported into the system: [ZENIT - Excel files mapping v1.1.xlsx](https://sisalgroup.sharepoint.com/:x:/r/sites/Cross-PlatformsSystems/Shared%20Documents/01.%20PJ/20.%20ZENIT/01.%20Docs/99.%20VARIE/ZENIT%20-%20Excel%20files%20mapping%20v1.1.xlsx?d=w529602ea96fb45e89de797a3b1731cc0&csf=1&web=1&e=wSau3E)
* File containing the mapping of data to be acquired from the source systems: [ZENIT - Data Colletion - Phase 1 - PRJ0015372- Mapping v1.0.xlsx](https://sisalgroup.sharepoint.com/:x:/r/sites/Cross-PlatformsSystems/Shared%20Documents/01.%20PJ/20.%20ZENIT/01.%20Docs/99.%20VARIE/ZENIT%20-%20Data%20Colletion%20-%20Phase%201%20-%20PRJ0015372-%20Mapping%20v1.0.xlsx?d=w1a18b80eabb64f2b97487659f0093cf1&csf=1&web=1&e=cIVgnP)