Příloha č. 2
Požadavky Objednatele

Plnění je součástí realizace projektu „Vytvoření a implementace vinohradnického a vinařského registru v Moldavské republice", který je realizován ze strany Ústředního kontrolního a zkušebního ústavu zemědělského a financován ze strany České rozvojové agentury, v Moldavské republice.

Výše uvedená implementace bude spočívat ve speciálním druhu "reportů" (sestav) provádějících databázové a ev. od nich odvozené dotazy na zaznamenaná data pro detekci potenicálně nevalidních dat, deviací v hlášeních a jiných forem podezřelých datových hodnot. Funkcionalita této komponenty bude stejná jako a založená na komponentě pro reporty. Výstupem modulu budou reporty stejně jako jeho vstupy, které budou jako vstupy pro získávání dat běžných reportů. Software bude v tomto modulu poskytovat také stejné výstupy do různých formátů: excel, PDF.

Komponenta modulu risk-managementu bude analyzovat data v následujících oblastech a jejich konkrétních dotazech:

- **Deklarace sklizně**

  § Všechny deklarace, které byly podány po termínu

  § Všechny (obchodní) entity (subjekty), které nepodaly deklarace sklizně v daném období

  § Všechny subparcely, kde byl podán výkaz sklizně s výnosem hroznů větším než 15 tun na hektar.

  § Všechny deklarace, kde průměrné množství hroznů sklizených ze subparcely za poslední 2 roky překročilo průměrnou hodnotu „x" (kde „x" je hodnota zadaná uživatelem)

- **Výkaz produkce;**

  § Všechny deklarace, které byly podány po termínu

  § Všechny (obchodní) entity (subjekty), které nepodaly deklarace produkce v daném období

  § Podkategorie analýzy efektivity, která produkuje reporty zobrazující nejvyšší hodnoty

    - Efektivity získávání moštu na každý záznam
    - Efektivity získávání vína na každý záznam
    - Množství získaného odpadu na každý záznam
    - Množství vinného kalu
    - Množství matoliny

- Efektivity/množství sklizených trsů

§ Tabulka se všemi (obchodními) entitami (subjekty) a jejich sumy výnosu z produkce

- **Výkaz zásob;**

§ Všechny deklarace, které byly podány po termínu

§ Všechny (obchodní) entity (subjekty), které nepodaly deklarace zásob v daném období

- **Entity vinohradů.**

§ Všechny vinohrady, které čerpají dotace

§ Všechny podané výkazy, které čekají víc jak měsíc na schválení

Příloha č. 3
Podrobný návrh řešení předmětu plnění

1. Abstract

This document describes the Risk management feature, which will be a part of the RVV software. The Risk management means a functionality which prepares a lis of invalid or fake values to the user. For instance the situation when a grapegrower harvested from one hectar more grapes than it is physically possible.

2. General Description

The functionality is in fact the same functionality as reporting, which is actually in the system. The risk management will be developed in the same way as reporting respecting following rules:

- each risk management report is separate report
- each report has it's role, the same way as reports
- the report defines only filtering criteria and the result is exported directly to the file available for download
- possible file types are the same as it is managed in reports yet

3. Risk Management Reports

This chapter describes risk management reports.

3.1. Applications

3.1.1. All submitted declarations with more than one month that have not been approved

Filtering options:

- (no filter options)

Result columns:

- rayon (vineyard parcel -> parcel city, wine entity -> first production office city)
- wine entity unique identifier (if present)
- vineyard parcel unique identifier (if present)
- type of declaration
- date and time of submission
- application state

3.2. Harvest declaration

3.2.1. Harvest declatations submitted after deadline

Filtering options:

- declaration year
- date submitted from/to (mandatory)

Result columns:

- vineyard parcel unique identifier
- declaration ID
- official name
- declaration year
- date submitted

3.2.2. Entities which did not submit the harvest declaration

Filtering options:

- declaration year

Result columns:

- vineyard parcel unique identifier
- official name

3.2.3. All subparcels harvested more than 15 tons per hectare

Filtering options:
- declaration year

Result columns:
- vineyard parcel unique identifier
- official name
- subparcel unique identifier
- quantity of grapes per hectare (this value is computed using formula: quantity / total surface bearing)

3.2.4. All subparcels with average quantity of harvested grapes per hectare on subparcel greater than specified value. The average is taken from previous two years.

Filtering options:
- average
- year

Result columns:
- vineyard parcel unique identifier
- official name
- subparcel unique identifier

The value is computed only from those subparcel which submitted harvest declaration for current year and two previous years. The formula is: avg((quantity year t-1 / total surface bearing year t-1), (quantity year t-2 / total surface bearing year t-2)) > average inserted by user.

3.3. Production declaration

3.3.1. Production declatations submitted after deadline

Filtering options:
- declaration year
- date submitted from/to

Result columns:
- wine entity unique identifier
- declaration ID
- official name
- declaration year
- date submitted

3.3.2. Entities which did not submit the production declaration

Filtering options:
- declaration year

Result columns:
- wine entity unique identifier
- official name

3.3.3. Efficiency must per entry

Filtering options:
- declaration year

Result columns:
- Wine entity unique identifier
- Declaration id
- Wine raw material
- Variety
- Quantity of processed grapes (t)
- Must obtained (hl)
- Efficiency (%)

Efficiency formula: (must obtained / Quantity of grapes processed) * 10
Production declaration has a feature which allows the user add one entry consisting of multiple entries. This situation must be decided within a formula. The NOVW must discuss this situation before the implementation of the feature begins.

The result will be sorted descendent by efficiency value.

3.3.4. Efficiency wine per entry

Filtering options:
- declaration year

Result columns:
- Wine entity unique identifier
- Declaration id
- Wine raw material
- Variety
- Quantity of processed grapes (t)
- Yield of the wine raw material (quantity) (hl)
- Efficiency (%)

Efficiency formula: (Yield of the wine raw material / Quantity of grapes processed) * 10
Production declaration has a feature which allows the user add one entry consisting of multiple entries. This situation must be decided within a formula. The NOVW must discuss this situation before the implementation of the feature begins.

The result will be sorted descendent by efficiency value.

3.3.5. Efficiency losses in winemaking raw material per entry

Filtering options:
- declaration year

Result columns:
- Wine entity unique identifier
- Declaration id
- Must obtained (hl)
- Losses in winemaking raw material (hl)
- Efficiency (%)

Efficiency formula: (Losses in winemaking raw material / must obtained) * 100
Production declaration has a feature which allows the user add one entry consisting of multiple entries. This situation must be decided within a formula. The NOVW must discuss this situation before the implementation of the feature begins.

The result will be sorted descendent by efficiency value.

3.3.6. Efficiency waste

Filtering options:
- declaration year

Result columns:
- Wine entity unique identifier
- Declaration id
- Wine raw material
- Variety
- Must obtained (hl)
- Waste quantity (hl)
- Efficiency (%)

Efficiency formula: (Waste quantity/ must obtained) * 100
Production declaration has a feature which allows the user add one entry consisting of multiple entries. This situation must be decided within a formula. The NOVW must discuss this situation before the implementation of the feature begins.

The result will be sorted descendent by efficiency value.

3.3.7. Efficientcy marc

Filtering options:
- declaration year

Result columns:
- Wine entity unique identifier
- Declaration id
- Marc (t)
- Quantity of processed grapes (t)
- Efficiency (%)

Efficiency formula: (Marc/ quantity of processed grapes) * 100
Production declaration has a feature which allows the user add one entry consisting of multiple entries. This situation must be decided within a formula. The NOVW must discuss this situation before the implementation of the feature begins.

The result will be sorted descendent by efficiency value.

3.3.8. Efficiency clusters

Filtering options:
- declaration year

Result columns:
- Wine entity unique identifier

- Declaration id
- Clusters (t)
- Quantity of processed grapes (t)
- Efficiency (%)

Efficiency formula: (Clusters/ quantity of processed grapes) * 100
Production declaration has a feature which allows the user add one entry consisting of multiple entries. This situation must be decided within a formula. The NOVW must discuss this situation before the implementation of the feature begins.

The result will be sorted descendent by efficiency value.

3.3.9. Summary of production yield

Filtering options:
- declaration year

Result columns:
- Wine entity unique identifier
- Sum Clusters (t)
- Sum Marc(t)
- Sum Waste quantity (hl)

3.4. Stock declaration

3.4.1. Stock declatations submitted after deadline

Filtering options:
- declaration year
- date submitted from/to

Result columns:
- wine entity unique identifier
- declaration ID
- official name
- declaration year
- date submitted

3.4.2. Entities which did not submit the stock declaration

Filtering options:
- declaration year

Result columns:
- wine entity unique identifier
- official name

3.5. Vineyard entities

3.5.1. All vineyards with subvention

Filtering options:

- year of subsidizing

Result columns:

- rayon
- vineyard parcel unique identifier
- exploiter name
- subvention

year of subsidizing

[redacted]

Příloha č. 4
Seznam oprávněných osob

Za objednatele:

Ing. Daniel Jurečka

Mgr. Miloslav Králíček

Ing. Ludmila Šípková

Ing. Lukáš Plachý

Za zhotovitele:

Ing. Jan Hrádek

Ing. Jiří Vildt