KMD WORKZONE

_Content Server

2021.0

FESD Web Services

Developer's guide

Contents

1. WorkZone Content Server 2021.0 Developer's Guide to FESD Web Services

This guide describes the FESD to WorkZone Content Server FESD Web Services data model mapping and WorkZone Content Server FESD Web Services implementation of the FESD standard for web services.

The guide contains descriptions of differences between the FESD standard and its implementation in Open WSI for every FESD parameter.

The target audience of the document is the Danish State Archives, KMD developers, and developers of 3rd party applications that use WorkZone Content Server FESD Web Services OpenWSI.

WorkZone links

- WorkZone documentation
- WorkZone support
- WorkZone website
- WorkZone portal

2. What's new

WorkZone Content Server FESD Web Services 2021.0

No changes in this release.

WorkZone Content Server FESD Web Services 2020.3

No changes in this release.

WorkZone Content Server FESD Web Services 2020.2

No changes in this release.

WorkZone Content Server FESD Web Services 2020.1

No changes in this release.

WorkZone Content Server FESD Web Services 2020.0

No changes in this release.

WorkZone Content Server FESD Web Services 2019.3

No changes in this release.

WorkZone Content Server FESD Web Services 2019.2

No changes in this release.

WorkZone Content Server FESD Web Services 2019.1

No changes in this release.

WorkZone Content Server FESD Web Services 2019.0

No changes in this release.

WorkZone Content Server FESD Web Services 2018.2

No changes in this release.

WorkZone Content Server FESD Web Services 2018.1

No changes in this release.

WorkZone Content Server FESD Web Services 2018.0

No changes in this release.

WorkZone Content Server 2016 R2

No changes in this release.

WorkZone Content Server 2016

No changes in this release.

WorkZone Content Server FESD Web Services 2014 R2

No changes in this release.

3. About the FESD Standard for Web Services

This documentation describes how the OpenWSI component of WorkZone Content Server FESD Web Services implements the FESD standard for web services.

The WorkZone Content Server FESD Web Services data model differs from the FESD data model. In order to ensure compatibility between the two data models, WorkZone Content Server FESD Web Services OpenWSI implements mapping between FESD and WorkZone Content Server FESD Web Services objects, object relations, and object attributes.

Due to gaps in revision 0.1 of the FESD standard and the current WorkZone Content Server FESD Web Services data model and technical implementation, OpenWSI is not fully compatible with the FESD standard.

4. Record

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to **Use_ log.identification** field.
caseFileIdentifier	Record	file_key	Parameter type is GUID. Corresponding **file_key** from File table is found by **fesd_id_ key** equal to this value.
recordIdentifier	Record	fesd_id_ key	Parameter type is GUID instead of int(10) specified by FESD standard.
uniqueIdentifier	Record	fesd_id_ key	Parameter type is GUID instead of int(10) specified by FESD standard.
year	Record	N/A	Calculated as year part of the Record.created field.
sequenceNumber	Record	record_ key	
caseFileReference	Record	file_key	Parameter type is GUID instead of char(10) specified by FESD standard. Used for output: Corresponding **fesd_id_key** from **File** table is found by **file_ key**.
caseFileSequenceNumber	Record	record_ no	
registrationDate	Record	created	Ignored at input. Is filled in with the date of Record creation.
documentTypeReference	Record	record_ grp	Parameter type is char(32) instead of char(2) specified by FESD standard.
documentDate	Record	letter_ date	
noDocumentDateIndicator	N/A	N/A	Ignored at input. Is not stored in WorkZone Content Server FESD

FESD Parameter	WorkZone Conten t Server FESD Web Service s Table	WorkZo ne Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
			Web Services database. Calculated for **GetRecord** method: '1' if **Record.letter_ date** is empty, '0' otherwise
recordStatusCode	Record	record_ type	Parameter type is char(32) instead of char(2) specified by FESD standard.
recordContentsDescriptionText	Recor d_title	text	
recordContentsDescriptionNonDisclosu reIndicator	Record	not_ public_ desc	Parameter type is unsignedByte instead of char(1) specified by FESD standard. Method accepts only '0' and '1'. '1' in method input and output = 'J' in WorkZone Content Server FESD Web Services database, '0' in method input and output = 'N' in WorkZone Content Server FESD Web Services database.
recordContentsAlternativeDescriptionT ext	Localiz ed_ record_ text	text	
recordDepricationDate	Record	deprecat ion	
executionDate	Record	executio n	
recordDeadline	Record	reply_ time_ limit_ date	
nonDisclosureDescriptionText	Record	legislati on_ref	
nonDisclosureEvaluationDate	Record	evaluati on	
recordPaper	Record	medium	Parameter type is unsignedByte instead of char(1) specified by FESD standard. Method accepts only '0' and '1'. '1' in method input and output = 'P' in WorkZone Content Server FESD Web Services database, '0' in method input and output = 'E' in

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
			WorkZone Content Server FESD Web Services database.
loanDate	Record_ location	received	
borrowerReference	Record_ location	recipient	Parameter type is GUID instead of int(10) specified by FESD standard. Algorithms of storing and fetching this parameter to / from WorkZone Content Server FESD Web Services database are similar to algorithms for **caseFileResponsibleOfficerReference** parameter of CaseFile.
createdByReference	Record	create_ user	Parameter type is GUID instead of int(10) specified by FESD standard. Ignored in input. The field **Record.create_user** in database is filled in with name code of user who called **CreateRecord** method. For output, it is retrieved as **fesd_ id_key** from a row found in Users table by **user_name** = value of the field.
lastUpdatedDate	Record		
lastUpdatedByReference	Record		
responsibleOfficerReference / responsibleCaseOfficerReference	Record		
sender	Record_ name		
recipient	Record_ name		
comment	See Record Comment.		
reminder	See Record Reminder.		
documentAccosiation	See Record Document Association.		

4.1 Record Comment

Comments are related to their Records via **record_key** fields in **Record** and **Record_ comment** tables.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
informationTypeCode	Record_ comment	comment_type	Parameter type is char(32) instead of char(2) specified by FESD standard.
cancellationDate	Record_ comment	delete_ date	
createdOnBehalfOfReference	Record_ comment	on_ behalf_of	Parameter type is GUID instead of int (10) specified by FESD standard. Algorithms of storing and fetching this parame¬ter to / from WorkZone Content Server FESD Web Services database are similar to algorithms for **caseFileResponsibleOfficerReference** parameter of CaseFile.
commentText	Record_ comment	text	
commentDocumentReference	Record_ comment	attach_ record_ key	Parameter type is GUID instead of int (10) specified by FESD standard.

4.2 Record Reminder

Reminders are related to their Records via **record_key** fields in Record and **Record_ reminder** tables.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
reminderDate	Record_ reminder	reminder_ date	
reminderTypeCode	Record_ reminder	reminder_ code	Parameter type is char(3) instead of char(2) specified by FESD standard.
descriptionText	Record_ reminder	text	
responsibleReference	Record_ reminder	name_ code	Parameter type is GUID instead of int(10) specified by FESD standard. Algorithms of storing and fetching this parameter to / from the WorkZone Content Server FESD Web Services database are similar to algorithms for **caseFileResponsibleOfficerReference** parameter of CaseFile.
N/A	Record_ reminder	name_key	Is filled in with **name_key** of Employee referred by **name_code**.
N/A	Record_ reminder	name_ type	Is filled in with 'M' (Employee)

4.3 Record Document Association

Records and Documents are associated via Record's **fesd_id_key** and Document's **primary_record_key** fields in **Record** table.

Document association is recorded into the WorkZone Content Server FESD Web Services database automatically by the following algorithm:

1. Find Document in Record table by **fesd_id_key = documentIdentifier**.

2. Check that value in the **primary_record_key** field of the found row is equal to **record_key**.

3. Update **primary_record_key** with **record_key** of the Record.

Data mapping and WorkZone Content Server FESD Web Services implementation

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
documentIdentifier	Record	fesd_id_ key	Parameter type is GUID instead of int(10) specified by FESD standard. This field is used for locating document in **Record** table by **fesd_id_key**.
documentAssosiationCode	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
documentAssosiationDate	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
documentAssosiationCreatorReference	N/A	N/A	Not implemented by OpenWSI. Ignored at input.

5. Document

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to the **Use_ log.identification** field.
documentIdentifier	Record	fesd_id_ key	Parameter type is GUID instead of int(10) specified by FESD standard.
uniqueIdentifier	Record	fesd_id_ key	Parameter type is GUID instead of int(10) specified by FESD standard.
documentCategoryCode	Record	record_grp	Parameter type is char(32) instead of char(2) specified by FESD standard.
titleText	Record_ title	text	
paperIndicator	Record	medium	Parameter type is unsignedByte instead of char(1) specified by FESD standard. Method accepts only '0' and '1'. '1' in method input and output = 'P' in WorkZone Content Server FESD Web Services database, '0' in method input and output = 'E' in WorkZone Content Server FESD Web Services database.
paperPlacementDescriptionText	Record	physical_ reference	
documentStatusCode	Record	record_ type	Parameter type is char(32) instead of char(2) specified by FESD standard.
creatorReference	Record	create_ user	Parameter type is GUID instead of int(10) specified by FESD standard. For output, it is retrieved as **fesd_ id_ke**y from a row found in Users table by **user_name** = value of the field.
nonDisclosureDescriptionText	Record	legislation_ ref	Parameter type is varchar(256) instead of char(16) specified by FESD standard.
comment	See Record Comment.		

5.1 Document Comment

Reminders are related to their Records via **record_key** fields in **Record** and **Record_reminder** tables.

Implementation is the same as for Record Comment.

5.1 Document Comment

6. DocumentVersion

The following rules are applied to WorkZone Content Server FESD Web Services's implementation of the **DocumentVersion** object:

- Only one DocumentVersion may be created for a Document.

- Documents with no versions have NULL value in the field **external_doc_id**.

- **CreateDocumentVersion** method returns ERR_PERMISSION_DENIED if called for a Document with 1 version.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to **Use_log.identification** field.
documentVersionIdentifier	Record	fesd_id_ key	Parameter type is GUID.
uniqueIdentifier	Record	fesd_id_ key	Parameter type is GUID instead of int (10) specified by FESD standard.
documentIdentifier	Record	document_ version_ key	Parameter type is GUID.
documentReference	Record	document_ version_ key	The same as **documentIdentifier**. For **UpdateDocumentVersion** method, should be equal to GUID of Version's document; otherwise, ERR_NOT_FOUND is returned.
documentVersionNumber	Record	version_no	
renditionTypeCode	N/A	N/A	Not implemented by OpenWSI.
activeIndicator	N/A	N/A	Not implemented by OpenWSI.
archiveFormatCode	Record	document_ type	Parameter type is char(32) instead of char(10) specified by FESD standard.
creatorReference	Record	create_ user	Parameter type is GUID instead of int (10) specified by FESD standard. For output, it is retrieved as **fesd_id_key** from a row found in Users table by **user_name** = value of the field.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
archiveReference	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
documentContents	Record	external_doc_id	Value of field **Record.external_doc_id** points to the location of document contents in the archive database.

7. Person

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to **Use_log.identification** field.
personIdentifier	Name	fesd_id_key	Parameter type is GUID.
uniqueIdentifier	Name	fesd_id_key	Parameter type is GUID instead of int(10) specified by FESD standard.
N/A	Name	name_type	Is filled in with 'C' if **personCivilRegistrationIdentifier** is not NULL; 'P' otherwise.
personCivilRegistrationIdentifier	Name	name_code	For input: Only applicable for **CreatePerson** method; ignored for **UpdatePerson**. For output: Empty for persons of type 'P'.
personNameStructure.personGivenName	Name	name1	Concatenation of **personGivenName** and **personMiddleName** with the space character between names.
personNameStructure.personMiddleName	Name	name1	Concatenation of **personGivenName** and **personMiddleName** with the space character between names.
personNameStructure.personSurnameName	Name	name2	
personNameForAddressingName	Name	addressing_name	
birthDate	Contact_date	date_stamp	**Custom_label** field in the row is filled in with organization Identifier value.
birthDateUncertaintyIndicator	Name	birthday_	'true' in method input and

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
		uncertainty	output = 'J' in WorkZone Content Server FESD Web Services database, 'false' in method input and output = 'N' in WorkZone Content Server FESD Web Services database.
personGenderCode	Contact_ info	info	First row in subtable **contact_ info**. **Custom_label** field is filled in with "Køn" (Gender) value. 'female' in method input and output = 'M' in WorkZone Content Server FESD Web Services database, 'male' in method input and output = 'K' in WorkZone Content Server FESD Web Services database, 'unknown' in method input and output = empty value in WorkZone Content Server FESD Web Services database.
personCivilRegistrationIdentifierStatusCode	Contact_ info	info	Second row in subtable **contact_info**. **Custom_label** is filled in with "Status" value.
nameAddressProtectionIndicator	Name_ address	is_ protected	'true' in method input and output = 'J' in WorkZone Content Server FESD Web Services database, 'false' in method input and output = 'N' in WorkZone Content Server FESD Web Services database.
nameAddressProtectionEndDate	Name_ address	protection_end	
maildeliveryAddress	See Person Address.		
careOf	See Person CareOf.		
roleRelation			Currently not supported by OpenWSI.

7.1 Person Address

Addresses are related to persons by **name_key** fields in the Name and **Name_ address** tables.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
countryIdentificationCode	Name_address	country_code	
municipalityName	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
streetCode	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
streetBuildingIdentifier	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
districtSubDivisionIdentifier	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
postOfficeBoxIdentifier	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
postCodeIdentifier	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
mailDeliverySublocationIdentifier	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
floorIdentifier	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
suiteIdentifier	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
secondaryAddressLabel	N/A	N/A	Ignored at input. For output concatenation of 6 address lines with spaces between line contents are returned.
N/A	Name_address	address_type	Is filled in with 'HA' value.
N/A	Name_address	name_key	Is filled in with value found in Name table by value of Person's GUID.
postalAddressFirstLineText	Name_address	address1	On input this is stored in **name_address.address1**. On output **name_address.address1** is returned.
postalAddressSecondLineText	Name_address	address1, address2	On input this is concatenated into **name_address.address1**. On output **name_address.address2** is returned.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
postalAddressThirdLineText	Name_ address	address2	On input this is concatenated into **name_ address.address2**. On output **name_ address.address3** is returned.
postalAddressFourthLineText	Name_ address	address2, address3	On input concatenated into **name_address.address2**. On output an empty string is returned.
postalAddressFifthLineText	Name_ address	address3	On input concatenated into **name_address.address3**. On output an empty string is returned.
postalAddressSixthLineText	Name_ address	address3	On input concatenated into **name_address.address3**. On output an empty string is returned.

7.2 Person CareOf

The Persons are related to each other via **name_key** and **name_ref_key** fields in the

Name_name table.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
N/A	Name_name	name_ref_key	Is filled in with value found in **Name** table by value of Person's GUID.
N/A	Name_name	role	Is filled in with "CareOf" value.

7.3 Person Role Relation

Person Role Relations are currently not supported by OpenWSI.

8. Organization

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to **Use_ log.identification** field.
organizationIdentifier	Name	fesd_id_key	Parameter type is GUID.
uniqueIdentifier	Name	fesd_id_key	Parameter type is GUID instead of int(10) specified by FESD standard.
N/A	Name	name_type	Is filled in with 'J' if **CVRnumberIdentifier** is specified; 'F' otherwise.
advertisementProtectionIndication	Name	advertisement	'true' in method input and output = 'J' in WorkZone Content Server FESD Web Services database, 'false' in method input and output = 'N' in WorkZone Content Server FESD Web Services database.
organizationName	Name	name1	
CVRnumberIdentifier	Name	name_code	For input: Only applicable for **CreateOrganization** method; ignored for **UpdateOrganization**.
businessActivity	Contact_ info	info	Contact_info.custom_label field is filled in with 'Branche'.
companyType	Name	company_ type	Parameter type is char(32) instead of int(3) specified by FESD standard.
organizationStartDate	Name	start_date	
organizationEndDate	Name	end_date	
situationAddress	See Organization Address.		
mailDeliveryAddress	See Organization Address.		
roleRelation			Currently not supported by OpenWSI.

8.1 Organization Address

Addresses are related to their Organizations via **name_key** fields in the **Name** and **Name_address** tables.

Implementation is the same as for Person Address.

8.2 Organization Role Relation

Organization Role Relations are currently not supported by OpenWSI.

9. OrganizationalUnit

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services

database fields and notes on WorkZone Content Server FESD Web Services

implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to **Use_ log.identification** field.
organizationalUnitIdentifier	Name	fesd_id_key	Parameter type is GUID.
uniqueIdentifier	Name	fesd_id_key	Parameter type is GUID instead of int(10) specified by FESD standard.
N/A	Name	name_type	Is filled in with 'V' value.
CVRnumberIdentifier	N/A	N/A	Ignored at input.
advertisementProtectionIndication	Name	advertisement	'true' in method input and output = 'J' in WorkZone Content Server FESD Web Services database, 'false' in method input and output = 'N' in WorkZone Content Server FESD Web Services database.
organizationalUnitName	Name	name1	
productionUnitIdentifier	Name	name_code	For input: Only applicable for **CreateOrganizationalUnit** method; ignored for **UpdateOrganizationalUnit**.
businessActivity	Contact_ info	info	First row in subtable **Contact_info**. Field custom_ label is filled in with 'Branche' (=Trade) value; field **priority** is filled in with '1'.
businessSubActivity	Contact_ info	info	Second row in subtable **Contact_info**. Field **custom_labe**l is filled in with 'Branche' (=Trade) value; field **priority** is filled in with '2'.
unitStartDate	Name	start_date	
unitEndDate	Name	end_date	
situationAddress	See OrganisationalUnit Address.		

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
mailDeliveryAddress	See OrganisationalUnit Address.		
roleRelation			Currently not supported by OpenWSI.
legalUnit	Contact_ info	info	Not implemented by OpenWSI.
productionUnit	Contact_ info	info	Not implemented by OpenWSI.

9.1 OrganisationalUnit Address

Addresses are related to their Organizational Units via **name_key** fields in **Name** and **Name_address** tables.

Implementation is the same as for Person Address.

9.2 OrganizationalUnit Role Relation

Organizational Unit Role Relations are currently not supported by OpenWSI.

10. Building

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to the **Use_ log.identification** field.
buildingIdentifier	Name	fesd_id_key	Mandatory parameter of type GUID instead of optional parameter specified by FESD standard.
buildingNumber	Contact_info	info	Field **custom_label** contains value "bygningsNr" – house number.
municipalRealPropertyIdentifier	Name	name_code	Is retrieved from WorkZone Content Server FESD Web Services database by the following algorithm: 1. Retrieve **name_ key** from a row found in Name table by **fesd_id_ key** = buildingIdentifier. 2. Retrieve **name_ ref_key** from a row found in **Name_name** table by **name_ key** and **name_**

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
			type = "1" ("Real property").
			3. Retrieve **name_code** from a row found in **Name** table by **name_key** = name_ref_key.
municipalityCode	Name	name_code	Is retrieved from WorkZone Content Server FESD Web Services database by the following algorithm:
			1. Retrieve **Name_ref_key** from a row found in Name_name table by **name_key = name_key** of found **Real Property**.
			2. Retrieve **name_code** from a row found in the **Name** table by **name_key = name_ref_key**.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
BBRIdentifier	Name	name_code	Is retrieved from the original record in the **Name** table.
address	See Building Address.		

10.1 Building Address

Addresses are related to Buildings via **name_key** fields in **Name** and **Name_address** tables.

Implementation is the same as for Person Address.

11. Cadastre

Only search by **cadastreIdentifier** is currently supported.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to the **Use_ log.identification** field.
cadastreIdentifier	Name	fesd_id_key	Parameter type is GUID.
cadastralDistrictIdentifier	Name	name_code	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm:

1. Retrieve name_ key from a row found in Name table by fesd_id_ key = cadastreIdentifie r.

2. Retrieve shareholders_key from a row found in Cadastre table by name_key.

3. Retrieve name_ code from a row

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
			found in Name table by name_key = shareholders_key.
municipalityCode	Name	name_code	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm:

1. Retrieve **name_key** from a row found in **Name** table by **fesd_id_key = cadastreIdentifier**.

2. Retrieve **municipality_key** from a row found in **Cadastre** table by **name_key**.

3. Retrieve **name_code** from a row found in **Name** table by **name_**

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
			key = municipality_ key.
landParcelMunicipalPartNumber	Contact_ info	info	Field **custom_label** contains value "delNr".

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
landParcelIdentifier	Cadastre	cadastre_no	Is retrieved from WorkZone Content Server FESD Web Services database by the following algorithm: 1. Retrieve **name_key** from a row found in **Name** table by f**esd_id_key = cadastreIdentifier**. 2. Retrieve **cadastre_no** from a row found in **Cadastre** table by **name_key**.
realPropertyIdentifier	Name	name_code	Is retrieved from WorkZone Content Server FESD Web Services database by the following algorithm: 1. Retrieve **name_key** from a row found in **Name** table by **fesd_id_key = buildingIdentifi**

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
			er.
			2. Retrieve **name_ ref_key** from a row found in **Name_name** table by **name_ key** and **name_ type** = "1" ("Real property").
			3. Retrieve **name_ code** from a row found in **Name** table by **name_ key = name_ ref_key**.

12. RealProperty

Currently the method returns only a list of Building identifiers for the requested Real Property.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Implementation Notes	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to the **Use_ log.identification** field.
realPropertyIdentifier	Name	fesd_id_key	Parameter type is GUID.
landParcelIdentifier	Cadastre	cadastre_no	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm: 1. Retrieve **name_ key** from a row found in **Name** table by **fesd_id_ key = realPropertyIde ntifier**. 2. Retrieve **name_ key** from a row found in Name_ name table by **name_ref_key =**

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Implementation Notes	WorkZone Content Server FESD Web Services Implementation Notes
			name_key and **name_type** = "1" ("Real property"). 3. Retrieve **cadastre_no** from a row found in **Cadastre** table by **name_key**.
cadastralDistrictIdentifier	Name	name_code	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm: 1. Retrieve **name_key** from a row found in **Name** table by **fesd_id_key = realPropertyIdentifier**. 2. Retrieve **name_key** from a row found in **Name_name** table by **name_ref_key = name_key** and

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Implementatio n Notes	WorkZone Content Server FESD Web Services Implementation Notes
			name_type = "1" ("Real property").
			3. Retrieve **shareholders_ key** from a row found in **Cadastre** table by **name_ key**.
			4. Retrieve **name_ code** from a row found in **Name** table by **name_ key = shareholders_ key**.
municipalityCode	Name	name_code	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm:
			1. Retrieve **name_ key** from a row found in **Name** table by **fesd_id_ key = realPropertyIde**

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Implementation Notes	WorkZone Content Server FESD Web Services Implementation Notes
			ntifier. 2. Retrieve **name_ key** from a row found in **Name_ name** table by **name_ref_key = name_key** and **name_type** = "1" ("Real property"). 3. Retrieve **municipality_ key** from a row found in **Cadastre** table by **name_ key**. 4. Retrieve **name_ code** from a row found in **Name** table by **name_ key = municipality_ key**.
landParcelMunicipalPartNumber	Contact_ info	info	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm:

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Implementation Notes	WorkZone Content Server FESD Web Services Implementation Notes
			1. Retrieve **name_key** from a row found in **Name** table by fesd_id_key = realPropertyIdentifier. 2. Retrieve name_key from a row found in Name_name table by name_ref_key = name_key and name_type = "1" ("Real property"). 3. Retrieve info from a row found in Contact_info table by name_key and custom_label = 'delNr'.
buildingIdentifier	N/A	N/A	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm:

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Implementation Notes	WorkZone Content Server FESD Web Services Implementation Notes
			1. Retrieve **name_ key** from a row found in **Name** table by **fesd_id_ key = realPropertyIde ntifier**.
			2. Retrieve name_ key from all rows in **Name_name** table found by **name_ref_key = name_key and name_type** = "1" ("Real property").
			3. For each row retrieve **fesd_id_ key** from a row found in **Name** table by **name_ key**.
cadastralIdentifier	N/A	N/A	Is retrieved from the WorkZone Content Server FESD Web Services database by the following algorithm:

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Implementation Notes	WorkZone Content Server FESD Web Services Implementation Notes
			1. Retrieve **name_ key** from a row found in **Name** table by **fesd_id_ key = realPropertyIde ntifier**. 2. Retrieve **name_ key** from a row found in **Name_ name** table by **name_ref_key = name_key** and **name_type** = "1" ("Real property"). 3. Retrieve **fesd_id_ key** from a row found in **Name** table by **name_ key**.

13. CaseFile

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
userIdentifier	N/A	N/A	Is recorded to `Use_ log.identification` field.
caseFileIdentifier	File	fesd_id_ key	Parameter type is GUID instead of int (10) specified by FESD standard.
uniqueIdentifier	File	fesd_id_ key	Parameter type is GUID instead of int (10) specified by FESD standard.
caseFileNumber	File	file_no	
caseFileNumberIdentifier	File	file_no	
fileClass	File	file_ class	Obsolete. This parameter was added by KMD because `file.file_class` field was mandatory in Captia and did not contain default values. The field was intended to classify CaseFiles in Captia.
year	File	year	Currently not supported by OpenWSI.
sequenceNumber	File	file_key	
paperIndicator	File	medium	Parameter type is unsignedByte instead of char(1) specified by FESD standard. Method accepts only '0' and '1'.
creationDate	File	created	
titleText	File_ title	text	
titleNonDisclosureIndicator	File	not_ public_ title	Parameter type is unsignedByte instead of char(1) specified by FESD standard. Method accepts only '0' and '1'. '1' in method input and output = 'J'

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
			in WorkZone Content Server FESD Web Services database, '0' in method input and output = 'N' in WorkZone Content Server FESD Web Services database.
titleNonDisclosureText	File	public_title	
caseFileStatusCode	File	state	Parameter type is char(32) instead of char(2) specified by FESD standard.
caseFileTypeCode	File	file_type	Parameter type is char(32) instead of char(10) specified by FESD standard.
caseFileResponsibleOfficerReference	File	officer	Parameter type is GUID instead of int (10) specified by FESD standard. The parameter is stored in WorkZone Content Server FESD Web Services database by the following algorithm: 1. Retrieve name_key from a row found in Name table by fesd_id_key = incoming GUID. 2. Retrieve name_code from a row found in Employee table by name_key = found name_key 3. Retrieved value is used for storing into the field. The reversed algorithm is used for retrieving a value from the field.
nonDisclosureDescriptionText	File	legislatio	

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
		n_ref	
latestRecordDate	N/A	N/A	Currently not supported by OpenWSI. Ignored at input.
retentionTime	File	retention	
disposalCode	File	disposal_code	Parameter type is char(32) instead of char(2) specified by FESD standard.
disposalDate	File	disposal	
precendensText	File	precendent	
precendensReference	N/A	N/A	Not implemented by OpenWSI. Ignored at input.
loanDate	File_location	date_received	
borrowerReference	File_location	name_code	Parameter type is GUID instead of int (10) specified by FESD standard. Algorithms of storing and fetching this parameter to / from WorkZone Content Server FESD Web Services database are similar to algorithms for `caseFileResponsibleOfficerReference` parameter of CaseFile.
numberHistoricIdentifier	File	previous_no	
createdByReference	File	create_user	Parameter type is GUID instead of int (10) specified by FESD standard. For output, it is retrieved as `fesd_id_key` from a row found in Users table by `user_name` = value of the field.
latestUpdateByReference	File	update_user	Parameter type is GUID instead of date specified by FESD standard. For output, it is retrieved as `fesd_id_key` from a row found in Users table by `user_name` = value of the field.
lastUpdateDate	File	updated	Parameter type is date instead of int (10) specified by FESD standard.
comment	See CaseFile Comment.		
reminder	See CaseFile Reminder.		
caseFilePartyReference	See CaseFile Party.		
caseFileObjectReference, caseFileObjectName	See CaseFile Object.		

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
caseFileParty	File_ name	fesd_id_ key	Parameter type is GUID instead of int (10) specified by FESD standard. Each Party is stored as a separate row in the **File_name** table.
caseFileObject	File_ name	fesd_id_ key	Parameter type is GUID instead of int (10) specified by FESD standard. Each Object is stored as a separate row in the **File_name** table.

13.1 CaseFile Comment

Comments are related to their CaseFiles via **file_key** fields in **File** and **File_comment** tables.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
informationTypeCode	File_ comment	comment_type	Parameter type is char(32) instead of char(2) specified by FESD standard.
cancellationDate	File_ comment	delete_ date	
createdOnBehalfOfReference	File_ comment	on_ behalf_of	Parameter type is GUID instead of int (10) specified by FESD standard. Algorithms of storing and fetching this parameter to / from WorkZone Content Server FESD Web Services database are similar to algorithms for **caseFileResponsibleOfficerReference** parameter of CaseFile.
commentText	File_ comment	text	
commentDocumentReference	File_ comment	vattach_ record_ key	Parameter type is GUID instead of int (10) specified by FESD standard.

13.2 CaseFile Reminder

Reminders are related to their CaseFiles via **file_key** fields in **File** and **Reminder** tables.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
reminderDate	Reminder	reminder_ date	
reminderTypeCode	Reminder	reminder_ code	Parameter type is char(3) instead of char (2) specified by FESD standard.
descriptionText	Reminder	text	
responsibleReference	Reminder	name_ code	Parameter type is GUID instead of int(10) specified by FESD standard. Algorithms of storing and fetching this parameter to / from WorkZone Content Server FESD Web Services database are similar to algorithms for **caseFileResponsibleOfficerReference** parameter of CaseFile.
N/A	Reminder	name_key	Is filled in with **name_key** of Employee referred by **name_code**.
N/A	Reminder	name_ type	Is filled in with 'M' (Employee)

13.3 CaseFile Party

Parties are related to their CaseFiles via **file_key** and **name_key** fields in **File_name** table.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
N/A	File_name	file_key	Is filled in with file_key of the corresponding row from main File table.
N/A	File_name	custom_label	Is filled in with the "Sagspart" value.
N/A	File_name	name_key	Is filled in with the value found in **Name** table by **fesd_id_key** = value of Party's GUID from method's input.
N/A	File_name	name_code	Is filled in with **name_code** of Employee referred by **name_key**.
N/A	File_name	name_type	Is filled in with **name_type** of Employee referred by **name_key**.

13.4 CaseFile Object

Objects are related to their CaseFiles via **file_key** and **name_key** fields in **File_name** table.

Mapping of the FESD attributes to the WorkZone Content Server FESD Web Services database fields and notes on WorkZone Content Server FESD Web Services implementation are presented in the table below.

FESD Parameter	WorkZone Content Server FESD Web Services Table	WorkZone Content Server FESD Web Services Field	WorkZone Content Server FESD Web Services Implementation Notes
N/A	File_name	file_key	Is filled in with **file_key** of the corresponding row from main **File** table.
N/A	File_name	custom_label	Is filled in with the "Sagsobject" value.
N/A	File_name	name_key	Is filled in with the value found in **Name** table found by **fesd_id_key** = value of Party's GUID from method's input.
N/A	File_name	name_code	Is filled in with **name_code** of Employee referred by **name_key**.
N/A	File_name	name_type	Is filled in with **name_type** of Employee referred by **name_key**.

14. Terms and conditions

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