DELPHI-GITLAB-PROJECT INTERSPEC\_SQL.UPDATE\_PG\_V2

Group of services and applications that upload InterSpec information to SAP (and PG) for the Enschede plant (MS-SQL Compatible)

Type: Service: Update\_PG.exe  
Location: \limsclient\c$\Services\  
Type: Task: Exp2Sap.exe  
Location: \limsclient\c$\Batch\Exprt2Sap\

Maintainer: Wilfred Geerlings

Info:  
Exprt2Sap.dpr: Project file  
ExpToSap.dpr: Project file  
tstUpdate.dpr: Project file  
Updat\_PG.dpr: Project file  
UpdatNow.dpr: Project file

Schematisch overzicht van UPDATE\_PG\_V2.UPDATNOW-procedure INTERSPEC-SAP-Interface

UpdatNow.ini

UpdatNow.dpr

UpdatNow.dof

server=172.30.0.37 Port=2053

Schematisch overzicht van UPDATE\_PG\_V2.UPDAT\_PG-procedure INTERSPEC-SAP-Interface

Updat\_PG.dpr

Updata.pas

IntProp.pas

Application.Initialize;

Application.CreateForm(TsvUpdatePG, svUpdatePG);

Application.CreateForm(TdmInterspecSap, dmInterspecSap);

Application.Run;

LINE: 3516:  
aqTmpPurcart.active := false;  
 aqTmpPurcart.params[0].asString := 'IS\_TEMPLATE\_GR';  
 aqTmpPurcart.active := true;

IntProp.dfm  
**acInterspec: OraOLEDB: IS61 INTERSPC**-aqSpecData  
-aqSection  
-aqSubSection  
-aqPropertyGroup  
-aqProperty  
-aqSpecificationProp  
-aqCharacteristic **acEnsprod: MSDASQL enspro Rossi001  
acInterface: SQLOLEDB: ENSSQL05 General**aqIntSapArticle  
aqIntSapSequence  
AqIntSapProperty

upData.dfm  
Object **svUpdatePG**  
**acInterspec: OraOLEDB: IS61 INTERSPEC**-aqUpdSpecs -aqSpecData  
-aqCharacteristics -aqDelSpecs   
-aqSpecData1 -aqBomItem  
-aqBewText - -aqProperties  
-aqCharacteristic -aqSpecData2  
-aqBomHeader -aqReason   
-aqRemarks -aqAttachedSpec  
-aqCurrentRev -aqDependent  
-aqSepcdata1a -aqPart  
-aqQrStatus **-aqSpecificationWeight**-aqCopTests -aqPropertyGroup  
**acEnsprod: MSDASQL:IBMDA400 ensprod Rossi001**-aqPurCart- aqTmpCurcart  
-aqTmpArticle -aqUpdPurcart  
-aqUpdArticle -aqArtgrpp  
-aqUnitsp -ssUpdate   
-aqProdTyp -aqTmpProdart  
-aqUpdProdart -aqTmpPurasppp  
-aqUpdPursppp -aqUpdArtspecp  
-aqTmpArtspecp -aqTmpBewgrwg  
-aqUpdBewgrwg -aqBewkgrp   
-aqTmpStklswg -aqUpdStklswg  
-aqArticleaqTmpBewkoms  
-aqUpdBewkoms -aqDelBewkoms  
-aqDelStklswg -IdSMPT  
-IdMiessage -aqDelBewgrwg  
-aqDelPurasppp -aqDelProdart  
-aqDelArtspecp -aqDelArticle  
-aqDelPurcart -aqUseStklswg  
-aqRemArticle -aqTmpGersets  
-aqUpdGersets -aqDelGersets  
-aqTmpGertype -aqUpdGertype  
-aqTmpGwtolag -aqUpdGwtolag  
**cInterface: SQLOLEDB: ENSSQL05 General**-aqSapArticle -aqIntSapSequence  
-aqIntSapArticle -aqIntSapBom  
-aqIntSapProcessing -aqIntSapTooling  
-aqIntSapInstructions -aqIntSapSequenceFind  
-aqClean -xaqProsalP  
-aqIntSapSequenceStat -aqUpdArqrst  
-aqIntSapSequenceUpd -aqUpdArtProp  
-aqDelArtProp -x\_aqArtDes  
-IdArtDesc -aqArtgew  
-aqIntSapTests -aqFindArtToDelete  
-aqUpdQrStatus

SELECT \* FROM AvSpecification\_Weight  
WHERE PART\_NO = :part ' ')

**Interspec=Provider**=OraOLEDB.Oracle.1;Persist Security Info=False;Data Source="(DESCRIPTION=(ADDRESS\_LIST=(ADDRESS=(PROTOCOL = TCP)(HOST=oracleprod)(PORT=1521)))(CONNECT\_DATA=(**SID=IS61**)))"  
**PG\_system**=Provider=**IBMDA400**;Persist Security Info=true;Data Source=ensprod  
PG\_Library1=xppoo01da1  
PG\_Library2=xppoo01da2  
PG\_Library3=xppoo01da3  
runMoment=6:00  
logDirectory=c:\log\updatePG

Updat\_PG.ini

**UPDATA.DFM**

**acInterspec**

aqUpdSpecs SELECT DISTINCT s.part\_no part, s.revision, s.sub\_section\_id, u.description Packaging, h.description

,i.status\_date\_time, h.Frame\_id, h.Status

FROM Specification\_header h,

Specification\_section s,

Status a,

Status a1,

Status\_history i,

Sub\_Section u

WHERE s.part\_no like :group AND s.section\_id=700755 AND a.status = i.status'

AND a.status\_type = '#39'CURRENT'#39’ AND i.part\_no = s.part\_no and i.revision = s.revision

**AND i.status\_date\_time > :date**

AND u.sub\_section\_id = s.sub\_section\_id

AND s.sub\_section\_id >= :subSectionId

AND h.part\_no = s.part\_no and h.revision = s.revision

AND a1.status = h.status and a1.status\_type = '#39'CURRENT'#39

AND h.Frame\_id like :frameId

ORDER BY s.part\_no

**aqSpecificationWeight SELECT \* FROM AvSpecification\_Weight WHERE PART\_NO = :part**

**acEnsprod**

aqPurCart select a.kmgkod, a.artkod kode, a.arddut Descr, a.arcgrp artGrp, a.arcuni Unit, a.arcpac Packing,

a.arpqty, a.arwgro,p.puiprd,a.arstat

from $lib1.article a, $lib1.purcart p

where p.puccgr=a.kmgkod and p.pucart=a.artkod and a.kmgkod=:kmgkod and a.artkod like :artkod

order by a.artkod

**acInterface:**

aqSapArticle SELECT \* FROM SapArticleCodes WHERE OldArticleCode=:art

aqIntSapSequence SELECT \* FROM IntSapSequence WHERE SequenceNr=0

aqIntSapArticle SELECT \* FROM IntSapArticle WHERE SequenceNr=:seq

…

…

**INTPROP.DFM**

**acInterspec**

aqSpecData SELECT s.\* FROM Specification\_prop s

WHERE s.part\_no = :part AND s.revision = :revision

AND s.section\_id=:section AND s.sub\_section\_id = :sub AND s.property\_group=:grp AND s.property=:prop )

aqSection SELECT section\_id FROM section WHERE description = :Description

aqSubSection SELECT sub\_section\_id FROM sub\_section WHERE description = :Description

aqPropertyGroup SELECT property\_group FROM property\_group WHERE description = :Description

aqProperty SELECT property FROM property WHERE description = :Description

aqSpecificationProp SELECT \* FROM specification\_prop WHERE part\_no = :part\_no AND revision = :revision

aqCharacteristic SELECT Description FROM Characteristic WHERE Characteristic\_ID = :id

**acInterface**

aqIntSapArticle SELECT \* FROM IntSapArticle WHERE Sequencenr = :nr

aqIntSapSequence SELECT \* FROM IntSapSequence WHERE (Status=0 OR status = 90)

AND TableType='#39'A'#39' AND InterspecArticle LIKE :art AND InterspecFrame = :frame

AqIntSapProperty SELECT \* FROM IntSapProperty WHERE SequenceNr=:seq

Schematisch overzicht van UPDATE\_PG\_V2.Exp2Sap-procedure INTERSPEC\_SQL-SAP-Interface

Exp2Sap.pas

Exp2Sap.dfm  
SQLOLEDB: **ENSSQL05** General (pw=Flut4DaK)  
acGeneral   
-aqIntSapArticle  
- aqIntSapBom  
- aqIntSapProcessing  
- aqIntSapTooling  
- aqIntSapInstructions  
**IdSAP\_xx: TIdHTTP ediTest.vredestein.com**- aqUpdSequenceData  
- aqAllUnsend  
-aqIntSapDocument  
-aqLabels2Send  
-aqVoiceArticle  
**acEnsprod MSDASQL ensprod Rossi001**-aqIntSapCopTests  
-aqIntSapProperty

LETOP: Geen dpr-file en/of proj-file?  
Wordt gebruikt vanuit:   
-Exprt2Sap.dpr   
-ExpToSap.dpr

**acGeneral**

**aqIntSapArticle SELECT \* FROM IntSapArticle WHERE Sequencenr = :nr**

aqIntSapBom SELECT \* FROM IntSapBom WHERE Sequencenr = :nr

aqIntSapProcessing SELECT \* FROM IntSapProcessing WHERE Sequencenr = :nr

aqIntSapTooling SELECT \* 'FROM IntSapTooling WHERE Sequencenr = :nr

aqIntSapInstructions SELECT \* FROM IntSapInstructions WHERE Sequencenr = :nr

aqUpdSequenceData SELECT \* FROM IntSapSequence WHERE SequenceNr = :seq'

aqAllUnsend SELECT SequenceNr FROM IntSapSequence

WHERE Status < 9 and InterspecFrame <> '#39'E\_Budget\_tyres'#39

Order by TableType, SequenceNr

aqIntSapDocument SELECT \* FROM IntSapDocument WHERE Sequencenr = :nr'

aqLabels2Send SELECT SequenceNr, Status FROM IntSapSequence

WHERE (Tabletype='#39'A'#39' AND Status = 9 AND InterspecFrame = '#39'A\_PCR'#39’)

OR (Tabletype='#39'A'#39' AND Status = 1 AND InterspecFrame = '#39'E\_Budget\_tyres'#39')'

ORDER BY SequenceNr

**acEnsprod**

aqVoiceArticle SELECT arcean FROM xppoo01da1.article WHERE kmgKod = :kmgkod AND artkod = :artkod'

aqIntSapCopTests SELECT \* FROM IntSapCopTests WHERE Sequencenr = :nr

aqIntSapProperty SELECT \* FROM IntSapProperty WHERE Sequencenr = :nr

**vraag:**

**--Waar komt de waarde voor attribuut=TEMPLATEARTICLE vandaan? Deze bevat nu default de WAARDE=TEMPLATE\_EM, en lijkt nu direct uit SQLSERVER-SQL05 TE KOMEN? Vraag is om deze waarde ook ergens in INTERSPEC vastlegt, of dat deze bij overhalen data vanuit INTERSPEC Naar SQL05 wordt overgehaald !!**

**--In Exp2Sap is nog HARD-CODED een verwijzing naar SQL05 opgenomen !!!**

**--ALTERNATIEF: ALS WE EEN VAN DEZE ATTRIBUTEN KUNNEN VULLEN MET JUISTE WAARDE IS DE KANS AANWEZIG DAT deze ook automatisch via SQL05 naar SAP wordt verstuurd. In EXP2SAP worden alleen de gevulde-attributen in article-XML opgenomen !!**

**ACGENERAL.AQINTSAPARTICLE-QUERY -ATTRIBUTES:**

Name = 'SequenceNr'

Name = 'Plant'

Name = 'Article'

**Name = 'TemplateArticle' 🡪BEVAT NU TEMPLATE\_EM, zou TEMPLATE\_EM\_<material-group-code> moeten worden !!1**

Name = 'Description'

Name = 'ArticleGroup'

Name = 'UoM'

Name = 'Carrier'

Name = 'PackageQuantity'

Name = 'UnitWeight'

Name = 'WeightTolerance'

Name = 'ArticleType'

Name = 'InFinalProd'

Name = 'MaxShelfLife'

Name = 'MinAging'

Name = 'SpecReference'

Name = 'CuringTime'

Name = 'OldArticleCode'

Name = 'SecondGradeArticle'

Name = 'ManufacturerName'

Name = 'ManufacturerArtcod'

Name = 'ManufacturerArtDescr'

Name = 'ElectroComponent'

Name = 'StockArtcode'

Name = 'DocumentID'

Name = 'PosNo'

Name = 'CleanedArtcod'

Name = 'InactivationFlag'

Name = 'EplanProdgroup'

Name = 'EplanSubgroup'

Name = 'EplanKenLetter'

Name = 'ManufacturerShortname'

Name = 'BrandName'

Name = 'MouldCode'

Name = 'ProfileCode'

Name = 'ProfileName'

Name = 'AsymInd'

Name = 'DirInd'

Name = 'LoadRange'

Name = 'RimProt'

Name = 'RunFlatInd'

Name = 'WinterInd'

Name = 'TyreSegmentationPCT'

Name = 'TyreTypePCT\_ACT'

Name = 'TyreTypeTWT'

Name = 'SectionWidthCode'

Name = 'RealSectionWidth'

Name = 'AspectRatio'

Name = 'RimCode'

Name = 'Diameter'

Name = 'OverallDia'

Name = 'Dimension\_mm'

Name = 'Dimension\_inch'

Name = 'SpeedIndex'

Name = 'SpeedIndex2'

Name = 'MaxSpeed'

Name = 'MaxSpeed\_2'

Name = 'SizeDesignation'

Name = 'EtrtoSize'

Name = 'Colour'

Name = 'UstTubeless'

Name = 'TubelessReady'

Name = 'RadialConstruction'

Name = 'PlyRating'

Name = 'LoadCapacity'

Name = 'Weight'

Name = 'CommercialWeight'

Name = 'DotInd'

Name = 'BeginDOT'

Name = 'EndDOT'

Name = 'VersionNumber'

Name = 'E-ApprovalCodeSound'

Name = 'E-approvalCode'

Name = 'OemAppInd'

Name = 'PliesSidewall'

Name = 'PliesTread'

Name = 'QualityGradingWear'

Name = 'QualityGradingTraction'

Name = 'QualityGradingTemperature'

Name = 'TreadDpth'

Name = 'MinPress'

Name = 'MaxPress'

Name = 'TyrePress'

Name = 'NominalTyrePress'

Name = 'MaxPressure'

Name = 'Press\_130'

Name = 'ActTyreDia'

Name = 'ActTyreWeight'

Name = 'ActTyreWidth'

Name = 'LoadIndex'

Name = 'LoadIndex\_2'

Name = 'MaxLoadKg'

Name = 'MaxLoadLbs'

Name = 'MaxLoad2Kg'

Name = 'MaxLoad2Lbs'

Name = 'EtrtoTargetRimWidth'

Name = 'EtrtoLslRimWidth'

Name = 'EtrtoUslRimWidth'

Name = 'ApprRimWidthPlus'

Name = 'ApprRimWidthMinus'

Name = 'RecommRimWidth'

Name = 'PermRimWidth'

Name = 'AltRimWidth'

Name = 'TargetDia'

Name = 'TargetSectWidth'

Name = 'TargetInflPress'

Name = 'TargetLoadCap'

Name = 'TargetMaxLoad'

Name = 'TPI'

Name = 'SRI'

Name = 'PR\_SD'

Name = 'Content\_75'

Name = 'StaticLoadRadius'

Name = 'RollCirc'

Name = 'TreadPattern'

Name = 'Valve'

Name = 'LoadCap\_20'

Name = 'LoadCap\_30'

Name = 'LoadCap\_40'

Name = 'LoadCap\_10'

Name = 'LoadCap\_130'

Name = 'WetGripPCT'

Name = 'RollResistPct'

Name = 'NoisePct\_dB'

Name = 'NoisePctClass'

Name = 'EC\_VehicleClass'

Name = 'RevisionState'

Name = 'QualityState'

Name = 'Variant'

Name = 'CustomerArtNumber'

**Exp2Sap.pas**

procedure XML2Sap(seq : integer; url : string; xml, resp : tXmlParser);

procedure Send2Sap(seq : integer; url : string; xml : tXmlParser);

{ Public declarations }

procedure ExportArticle(seq : integer; seqStr : string);

procedure ExportDocument(seq : integer; seqStr : string);

procedure ExportBOM(seq : integer; seqStr : string);

procedure ExportProcessing(seq : integer; seqStr : string);

procedure ExportTooling(seq : integer; seqStr : string);

procedure ExportInstructions(seq : integer; seqStr : string);

procedure ExportProperties(seq : integer; seqStr : string);

procedure ExportLabel(seq : integer; seqStr : string);

procedure ExportNr(seq : integer; seqStr : string);

function CreateLabelRequest(ean : string) : tXmlParser;

procedure GetLabelValues(xml : tXmlParser; var error, grip, roll, noise, nClass, vClass : string);

procedure TdmExport2Sap.**ExportArticle**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1 : tXmlNode;

i : integer;

begin

aqIntSapArticle.Active := False;

aqIntSapArticle.Params[0].asInteger := seq;

aqIntSapArticle.Active := True;

if not aqIntSapArticle.Eof

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('**UpdateOrCreateArticle**');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

for i := 0 to aqIntSapArticle.FieldCount -1

do begin

if not aqIntSapArticle.Fields[i].IsNull

then begin

**-- aqIntSapArticle: SELECT \* FROM IntSapArticle WHERE Sequencenr = :nr**

n1 := tXmlNode.create(ToTag(aqIntSapArticle.Fields[i]));

n1.Text := ToXml(aqIntSapArticle.Fields[i]);

n0.AddNode(n1);

end;

end;

if seqStr <> '' then

begin

xml.SaveXML('C:\Bin\Curl\Hungary\Article' + seqStr + '.xml');

end

else Send2Sap(seq, UrlArticle, xml);

xml.free;

end;

aqIntSapArticle.Active := False;

end;

**--IntSapArticle komt via [ Exp2Sap.dfm ] in ENSSQL05 !!!**

procedure TdmExport2Sap.**ExportLabel**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1 : tXmlNode;

i : integer;

begin

aqIntSapArticle.Active := False;

aqIntSapArticle.Params[0].asInteger := seq;

aqIntSapArticle.Active := True;

if not aqIntSapArticle.Eof

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('**UpdateOrCreateArticle**');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

for i := 0 to aqIntSapArticle.FieldCount -1

do begin

if not aqIntSapArticle.Fields[i].IsNull

then begin

n1 := tXmlNode.create(ToTag(aqIntSapArticle.Fields[i]));

n1.Text := ToXml(aqIntSapArticle.Fields[i]);

n0.AddNode(n1);

end;

end;

if seqStr <> ''

then xml.SaveXML('C:\Bin\Curl\IntSap\Label\_' + intToStr(seq) + seqStr + '.xml')

else Send2Sap(seq, UrlSendLabel, xml);

xml.free;

end;

aqIntSapArticle.Active := False;

end;

procedure TdmExport2Sap.**ExportDocument**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1 : tXmlNode;

i : integer;

begin

aqIntSapDocument.Active := False;

aqIntSapDocument.Params[0].asInteger := seq;

aqIntSapDocument.Active := True;

if not aqIntSapDocument.Eof

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('**UpdateOrCreateDocument**');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

for i := 0 to aqIntSapDocument.FieldCount -1

do begin

if not aqIntSapDocument.Fields[i].IsNull

then begin

n1 := tXmlNode.create(ToTag(aqIntSapDocument.Fields[i]));

n1.Text := ToXml(aqIntSapDocument.Fields[i]);

n0.AddNode(n1);

end;

end;

if seqStr <> ''

then xml.SaveXML('C:\Bin\Curl\Hungary\Document' + seqStr + '.xml')

else Send2Sap(seq, UrlDocument, xml);

xml.free;

end;

aqIntSapDocument.Active := False;

end;

procedure TdmExport2Sap.**ExportBOM**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1, n2, n3, n4, n5 : tXmlNode;

i, lastVersion : integer;

begin

aqIntSapBom.Active := False;

aqIntSapBom.Params[0].asInteger := seq;

aqIntSapBom.Active := True;

xml := nil;

if not aqIntSapBom.Eof

then begin

if xml = nil

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('**UpdateOrCreateBom**');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

end;

for i := 0 to 4

do begin

n1 := tXmlNode.create(ToTag(aqIntSapBom.Fields[i]));

n1.text := ToXml(aqIntSapBom.Fields[i]);

n0.addNode(n1);

end;

lastVersion := -1;

n1 := tXmlNode.create('BomVersions');

n0.Addnode(n1);

while not aqIntSapBom.eof

do begin

if aqIntSapBom.Fields[5].asInteger <> LastVersion

then begin

n2 := tXmlNode.create('BomVersion');

n1.addNode(n2);

for i := 5 to 8

do begin

n3 := tXmlNode.create(ToTag(aqIntSapBom.Fields[i]));

n3.text := ToXml(aqIntSapBom.Fields[i]);

n2.addNode(n3);

lastVersion := aqIntSapBom.Fields[5].asInteger;

end;

n3 := tXmlNode.create('BomItems');

n2.Addnode(n3);

end;

n4 := tXmlNode.create('BomItem');

n3.addNode(n4);

for i := 9 to 20

do begin

n5 := tXmlNode.create(ToTag(aqIntSapBom.Fields[i]));

n5.text := ToXml(aqIntSapBom.Fields[i]);

n4.addNode(n5);

end;

aqIntSapBom.Next;

end;

if seqStr <> ''

then xml.SaveXML('C:\Bin\Curl\Hungary\Bom' + seqStr + '.xml')

else Send2Sap(seq, UrlBOM, xml);

end;

if xml <> nil then xml.free;

end;

procedure TdmExport2Sap.**ExportProcessing**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1, n2, n3 : tXmlNode;

i : integer;

begin

aqIntSapProcessing.Active := False;

aqIntSapProcessing.Params[0].asInteger := seq;

aqIntSapProcessing.Active := True;

xml := nil;

if not aqIntSapProcessing.Eof

then begin

if xml = nil

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('UpdateOrCreateProcessingGroups');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

end;

for i := 0 to 3

do begin

n1 := tXmlNode.create(ToTag(aqIntSapProcessing.Fields[i]));

n1.text := ToXml(aqIntSapProcessing.Fields[i]);

n0.addNode(n1);

end;

n1 := tXmlNode.create('**ProcessingGroups**');

n0.Addnode(n1);

while not aqIntSapProcessing.eof

do begin

n2 := tXmlNode.create('ProcessingGroup');

n1.addNode(n2);

for i := 4 to 13

do if not aqIntSapProcessing.Fields[i].IsNull

then begin

n3 := tXmlNode.create(ToTag(aqIntSapProcessing.Fields[i]));

n3.text := ToXml(aqIntSapProcessing.Fields[i]);

n2.addNode(n3);

end;

aqIntSapProcessing.Next;

end;

if seqStr <> ''

then xml.SaveXML('C:\Bin\Curl\Hungary\Processing' + seqStr + '.xml')

else Send2Sap(seq, UrlProcessing, xml);

end;

if xml <> nil then xml.free;

end;

procedure TdmExport2Sap.**ExportTooling**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1, n2, n3, n4, n5 : tXmlNode;

i : integer;

lastBew : string;

begin

aqIntSapTooling.Active := False;

aqIntSapTooling.Params[0].asInteger := seq;

aqIntSapTooling.Active := True;

xml := nil;

if not aqIntSapTooling.Eof

then begin

if xml = nil

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('**UpdateOrCreateTooling**');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

end;

for i := 0 to 2

do begin

n1 := tXmlNode.create(ToTag(aqIntSapTooling.Fields[i]));

n1.text := ToXml(aqIntSapTooling.Fields[i]);

n0.addNode(n1);

end;

lastBew := '';

n1 := tXmlNode.create('ProcessingGroups');

n0.Addnode(n1);

while not aqIntSapTooling.eof

do begin

if aqIntSapTooling.Fields[3].asString <> LastBew

then begin

n2 := tXmlNode.create('ProcessingGroup');

n1.addNode(n2);

for i := 3 to 3

do begin

n3 := tXmlNode.create(ToTag(aqIntSapTooling.Fields[i]));

n3.text := ToXml(aqIntSapTooling.Fields[i]);

n2.addNode(n3);

lastBew := aqIntSapTooling.Fields[3].asString;

end;

n3 := tXmlNode.create('Tooling');

n2.Addnode(n3);

end;

n4 := tXmlNode.create('Tool');

n3.addNode(n4);

for i := 4 to aqIntSapTooling.FieldCount - 1

do if not aqIntSapTooling.Fields[i].IsNull

then begin

n5 := tXmlNode.create(ToTag(aqIntSapTooling.Fields[i]));

n5.text := ToXml(aqIntSapTooling.Fields[i]);

n4.addNode(n5);

end;

aqIntSapTooling.Next;

end;

if seqStr <> ''

then xml.SaveXML('C:\Bin\Curl\Hungary\Tooling' + seqStr + '.xml')

else Send2Sap(seq, UrlTooling, xml);

end;

if xml <> nil then xml.free;

end;

procedure TdmExport2Sap.**ExportInstructions**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1, n2, n3, n4, n5 : tXmlNode;

i : integer;

lastBew : string;

begin

aqIntSapInstructions.Active := False;

aqIntSapInstructions.Params[0].asInteger := seq;

aqIntSapInstructions.Active := True;

xml := nil;

if not aqIntSapInstructions.Eof

then begin

if xml = nil

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('**UpdateOrCreateInstructions**');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

end;

for i := 0 to 2

do begin

n1 := tXmlNode.create(ToTag(aqIntSapInstructions.Fields[i]));

n1.text := ToXml(aqIntSapInstructions.Fields[i]);

n0.addNode(n1);

end;

lastBew := '';

n1 := tXmlNode.create('ProcessingGroups');

n0.Addnode(n1);

while not aqIntSapInstructions.eof

do begin

if aqIntSapInstructions.Fields[3].asString <> LastBew

then begin

n2 := tXmlNode.create('ProcessingGroup');

n1.addNode(n2);

for i := 3 to 3

do begin

n3 := tXmlNode.create(ToTag(aqIntSapInstructions.Fields[i]));

n3.text := ToXml(aqIntSapInstructions.Fields[i]);

n2.addNode(n3);

lastBew := aqIntSapInstructions.Fields[3].asString;

end;

n3 := tXmlNode.create('Lines');

n2.Addnode(n3);

end;

n4 := tXmlNode.create('Line');

n3.addNode(n4);

for i := 4 to 6

do begin

n5 := tXmlNode.create(ToTag(aqIntSapInstructions.Fields[i]));

n5.text := ToXml(aqIntSapInstructions.Fields[i]);

n4.addNode(n5);

end;

aqIntSapInstructions.Next;

end;

if seqStr <> ''

then xml.SaveXML('C:\Bin\Curl\Hungary\Instructions' + seqStr + '.xml')

else Send2Sap(seq, UrlInstructions, xml);

end;

if xml <> nil then xml.Free;

end;

procedure TdmExport2Sap.**ExportProperties**(seq : integer; seqStr : string);

var

xml : tXmlParser;

nb, n0, n1, n2, n3 : tXmlNode;

i : integer;

lastBew : string;

begin

aqIntSapProperty.Active := False;

aqIntSapProperty.Params[0].asInteger := seq;

aqIntSapProperty.Active := True;

xml := nil;

if not aqIntSapProperty.Eof

then begin

if xml = nil

then begin

xml := tXmlParser.create;

xml.declaration.attribute['encoding'] := 'utf-8';

xml.name := 'soap:Envelope';

xml.attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

xml.attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

xml.attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.create('soap:Body');

xml.addNode(nb);

n0 := tXmlNode.create('**UpdateOrCreateProperties**');

n0.attribute['xmlns'] := 'http://apollovredestein.com/interspec\_sap';

nb.addNode(n0);

end;

for i := 0 to 2

do begin

n1 := tXmlNode.create(ToTag(aqIntSapProperty.Fields[i]));

n1.text := ToXml(aqIntSapProperty.Fields[i]);

n0.addNode(n1);

end;

lastBew := '';

n1 := tXmlNode.create('Properties');

n0.Addnode(n1);

while not aqIntSapProperty.eof

do begin

n2 := tXmlNode.create('Property');

n1.addNode(n2);

for i := 3 to 6

do begin

n3 := tXmlNode.create(ToTag(aqIntSapProperty.Fields[i]));

n3.text := ToXml(aqIntSapProperty.Fields[i]);

n2.addNode(n3);

end;

aqIntSapProperty.Next;

end;

end;

if seqStr <> ''

then xml.SaveXML('C:\Bin\Curl\Hungary\Properties' + seqStr + '.xml')

else Send2Sap(seq, UrlProperties, xml);

if xml <> nil then xml.Free;

end;

procedure TdmExport2Sap.**ExportNr**(seq : integer; SeqStr : string);

var table, nr : string;

begin

str(seq:4, nr);

if pos('$', SeqStr) > 0

then SeqStr := stringReplace(SeqStr, '$', nr, []);

aqUpdSequenceData.active := false;

aqUpdSequenceData.Params[0].asInteger := seq;

aqUpdSequenceData.Active := True;

if aqUpdSequenceData.Eof

then ShowMessage('Sequence number not found')

else begin

table := aqUpdSequenceData.Fields[1].asString + ' ';

case table[1] of

'A': ExportArticle(seq, seqStr);

'D': ExportDocument(seq, seqStr);

'I': ExportInstructions(seq, seqStr);

'B': ExportBom(seq, seqStr);

'T': ExportTooling(seq, seqStr);

'P': ExportProcessing(seq, seqStr);

'Y': ExportProperties(seq, seqStr);

end;

end;

end;

function TdmExport2Sap.**CreateLabelRequest**(ean : string) : tXmlParser;

var

nb : tXmlNode;

n0, n1, n2, n3, n4 : tXmlNode;

begin

result := tXmlParser.Create;

result.Declaration.Attribute['encoding'] := 'utf-8';

result.Name := 'soap:Envelope';

result.Attribute['xmlns:xsl'] := 'http://www.w3.org/2001/XMLSchema-instance';

result.Attribute['xmlns:xsd'] := 'http://www.w3.org/2001/XMLSchema';

result.Attribute['xmlns:soap'] := 'http://schemas.xmlsoap.org/soap/envelope/';

nb := tJanXmlNode2.Create('soap:Body');

result.addNode(nb);

n0 := tXmlNode.Create('LabelRequest');

n0.Attribute['xmlns'] := 'http://www.vredestein.com/b2b';

nb.AddNode(n0);

n0.AddNode(tXmlNode.Create('PartnerId'));

n0.AddNode(tXmlNode.Create('Timestamp'));

n0.AddNode(tXmlNode.Create('AccessKey'));

n1 := tXmlNode.Create('Requests');

n0.AddNode(n1);

n2 := tXmlNode.Create('LabelRequests');

n1.AddNode(n2);

n2.AddNode(tXmlNode.Create('RequestFrom', '1'));

n2.AddNode(tXmlNode.Create('UserRequest'));

n3 := tXmlNode.Create('Articles');

n2.AddNode(n3);

n4 := tXmlNode.Create('Article');

n3.AddNode(n4);

n4.AddNode(tXmlNode.Create('UPCEANcode', ean));

n4.AddNode(tXmlNode.Create('DotNumber'));

n4.AddNode(tXmlNode.Create('ProductionWeek'));

end;

Schematisch overzicht van UPDATE\_PG\_V2.ExpToSap-procedure INTERSPEC\_SQL-SAP-Interface

ExpToSap.pas (obj: TdmExport2Sap)

SapUsername=EC\_PIP  
SapPassword=welcome123  
LogDirectory=c:\Log\ExpSap1  
LogLevel=5

ExpToSap.ini

ExpToSap.dpr

Application.Initialize;  
 Application.CreateForm(TForm1, Form1);  
 Application.CreateForm(TdmExport2Sap, dmExport2Sap);  
 Application.Run;

Geen dfm-file aanwezig?

Tst2Sap.pas (dm)

Exp2Sap.pas (form)

Uses Tst2Sap.pas + Exp2Sap.pas-file?

ExpToSap.INI

UrlArticle=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlProcessing=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleProcessing\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlBOM=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleBOM\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlInstructions=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataARTIKLE\_INS\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlTooling=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataToolSet\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlGetLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_LabelRequest\_Out&interfaceNamespace=http://apollotyres.com.com/IF045/EC/Label/I\_WS\_APPS

UrlSendLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateOrCreateArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlCopTests=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterData\_ARTTESTS\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlProperties=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateorCreateProperties\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

Schematisch overzicht van UPDATE\_PG\_V2.Exprt2Sap-procedure INTERSPEC\_SQL-SAP-Interface

Exp2Sap.pas (dm)

SapUsername=EC\_PIP  
SapPassword=welcome123  
LogDirectory=c:\Log\ExpSap1  
LogLevel=5

ExprtToSap.ini

Exprt2Sap.dpr

Application.Initialize;  
 Application.CreateForm(TdmExport2Sap, dmExport2Sap);  
 dmExport2Sap.ExportAll;

Use Exp2Sap.pas-file?

Exprt2Sap.INI:

UrlArticle=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlProcessing=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleProcessing\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlBOM=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleBOM\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlInstructions=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataARTIKLE\_INS\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlTooling=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataToolSet\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlGetLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_LabelRequest\_Out&interfaceNamespace=http://apollotyres.com.com/IF045/EC/Label/I\_WS\_APPS

UrlSendLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateOrCreateArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlCopTests=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterData\_ARTTESTS\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlProperties=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateorCreateProperties\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

Export.tab

; Nr Tag ;frame section, sub-section propertygroup property field Name Type Processing

; C 0

; C 0

32 BrandName General information General tyre characteristics Brand CHARACTERISTIC Brand name C 0

33 MouldCode A\_PCR D-spec Master drawing general Segment CHAR\_1 Mould code C 0

34 ProfileCode General information Size Productlinecode CHAR\_1 Profile code C3 0

35 ProfileName A\_PCR General information General tyre characteristics Productline CHARACTERISTIC Profile name C 0

36 AsymInd General information General tyre characteristics Asymmetric CHARACTERISTIC Asymmetrical B 0

37 DirInd General information General tyre characteristics Directional CHARACTERISTIC Directional B 0

38 LoadRange A\_PCR General information General tyre characteristics Load index class CHARACTERISTIC Load range C 0

39 RimProt General information General tyre characteristics Rim protector CHARACTERISTIC Rim protector C 0

40 RunFlatInd A\_PCR General information General tyre characteristics Runflat CHARACTERISTIC Run flat B 0

41 WinterInd General information General tyre characteristics Winter indication CHARACTERISTIC Winter indicator C 0

42 TyreSegmentationPCT General information General tyre characteristics Category CHARACTERISTIC Tyre segmentation C 0

43 TyreTypePCT\_ACT A\_PCR General information General tyre characteristics Tubetype/tubeless CHARACTERISTIC Tyre type C 0

44 TyreTypeTWT Tyretype TWT C 0

45 SectionWidthCode General information Size Section width CHAR\_1 Section width code I 0

46 RealSectionWidth A\_PCR D-spec D-Spec (tyre measurements) Tyre width (max) NUM\_1 Real section width I 0

47 AspectRatio General information Size Aspect ratio CHAR\_1 Aspect ratio I 0

48 RimCode General information Size Rimcode CHAR\_1 Rim code F 0

49 Diameter D-spec D-Spec (tyre measurements) Tyre diameter NUM\_1 Diameter I 0

50 OverallDia Overall diameter I 0

51 Dimension\_mm Dimension (mm) C 0

52 Dimension\_inch Dimension (inch) C 0

53 SpeedIndex General information Size Speed index CHAR\_1 Speed index C 0

54 SpeedIndex2 Speedindex 2 C 0

55 MaxSpeed A\_PCR General information General tyre characteristics Vmax Y (km/h) CHARACTERISTIC Maximum speed I 0

56 MaxSpeed\_2 Maximum speed 2 C 0

57 SizeDesignation General information Sidewall designation Size designation CHAR\_1 Size designation C 0

58 EtrtoSize ETRTO size C 0

59 Colour Colour C 0

60 UstTubeless UST Tubeless B 0

61 TubelessReady Tubeless ready B 0

62 RadialConstruction \_TEXT TRUE Radial Construction B 0

63 PlyRating Ply rating I 0

64 LoadCapacity General information Sidewall designation Max. load CHAR\_1 Loadcapacity (kg) I 0

65 Weight A\_PCR D-spec D-Spec (tyre measurements) Tyre weight NUM\_1 Weight F 0

66 CommercialWeight Commercial weight F 0

67 DotInd A\_PCR General information Sidewall designation DOT Plant Code CHAR\_1 DOT indicator B 0

68 BeginDOT Begin DOT C 0

69 EndDOT End DOT C 0

70 VersionNumber Version number I 0

71 E-ApprovalCodeSound A\_PCR General information Sidewall designation E-appr. code (S/W/R) CHAR\_1 E-Approval sound C 0

72 E-approvalCode A\_PCR General information Sidewall designation E-approval code CHAR\_1 E-Approval code C 0

73 OemAppInd OEM approval B 0

74 PliesSidewall A\_PCR General information Sidewall designation Plies sidewall CHAR\_1 Plies sidewall C 0

75 PliesTread A\_PCR General information Sidewall designation Plies tread CHAR\_1 Plies tread C 0

76 QualityGradingWear QualityGrading tread C 0

77 QualityGradingTraction QualityGrading Wear C 0

78 QualityGradingTemperature QualityGrading Temperature C 0

79 TreadDpth Tread depth F 0

80 MinPress Min Pressure F 0

81 MaxPress Max pressure F 0

82 TyrePress A\_PCR General information ETRTO properties ETRTO infl pressure NUM\_1 Tyre pressure I 0

83 NominalTyrePress Nominal tyrepressure I 0

84 MaxPressure A\_PCR General information Sidewall designation Max. pressure CHAR\_1 Max Pressure I 0

85 Press\_130 Pressure 130kmh F 0

86 ActTyreDia Actual diameter I 0

87 ActTyreWeight Actual weight F 0

88 ActTyreWidth Actual width F 0

89 LoadIndex General information Size Load index CHAR\_1 Loadindex I 0

90 LoadIndex\_2 General information Size Load index (dual) CHAR\_1 Loadindex double I 0

91 MaxLoadKg A\_PCR General information Sidewall designation Max. load CHAR\_1 MaxLoad Kg I 0

92 MaxLoadLbs A\_PCR General information Sidewall designation Max. load CHAR\_1 MaxLoad Lbs I 1

93 MaxLoad2Kg A\_PCR General information Sidewall designation Max. load (dual) CHAR\_1 MaxLoad double Kg I 0

94 MaxLoad2Lbs A\_PCR General information Sidewall designation Max. load (dual) CHAR\_1 MaxLoad double Lbs I 1

95 EtrtoTargetRimWidth A\_PCR General information ETRTO properties ETRTO rimwidth NUM\_1 ETRTO Target Rimwidth F 0

96 EtrtoLslRimWidth A\_PCR General information ETRTO properties ETRTO rimwidth NUM\_2 ETRTO LSL Rimwidth F 0

97 EtrtoUslRimWidth A\_PCR General information ETRTO properties ETRTO rimwidth NUM\_3 ETRTO USL Rimwidth F 0

98 ApprRimWidthPlus A\_PCR General information VR approved rimwidth ETRTO LSL -0.5 BOOLEAN\_1 VR-approved -0.5 B 0

99 ApprRimWidthMinus A\_PCR General information VR approved rimwidth ETRTO USL +0.5 BOOLEAN\_1 VR-approved +0.5 B 0

100 RecommRimWidth Recommended rimwidth C 0

101 PermRimWidth Permitted rimwidth C 0

102 AltRimWidth Alternative rimwidth C 0

103 TargetDia Target Diameter I 0

104 TargetSectWidth Target Section width F 0

105 TargetInflPress Targer Pressure I 0

106 TargetLoadCap Target LoadCapacity I 0

107 TargetMaxLoad Target Max Axleload I 0

108 TPI TPI I 0

109 SRI SRI C 0

110 PR\_SD PR/SD C 0

111 Content\_75 Content 75% I 0

112 StaticLoadRadius Static loadradius I 0

113 RollCirc Rolling circumference I 0

114 TreadPattern Tread pattern C 0

115 Valve Valve C 0

116 LoadCap\_20 LoadCapacity 20kmh I 0

117 LoadCap\_30 LoadCapacity 30kmh I 0

118 LoadCap\_40 LoadCapacity 40kmh I 0

119 LoadCap\_10 LoadCapacity 10kmh I 0

120 LoadCap\_130 LoadCapacity 130kmh I 0

;121 WetGripPCT A\_PCR Properties Outdoor testing ECE Wet Grip labeling (trailer) CHAR\_1 WetGrip PCT C 0

;121 WetGripPCT A\_PCR Labels and certification Labels Wet grip Europe CHARACTERISTIC WetGrip PCT C 0

;121 WetGripPCT E\_Budget\_tyres Properties Outdoor testing ECE Wet Grip labeling (trailer) CHAR\_1 WetGrip PCT C 0

;122 RollResistPct A\_PCR Properties Indoor testing ECE Rolling resistance Labeling CHAR\_1 RollingResistance PCT C 0

;122 RollResistPct A\_PCR Labels and certification Labels Rolling resistance Europe CHARACTERISTIC RollingResistance PCT C 0

;122 RollResistPct E\_Budget\_tyres Properties Indoor testing ECE Rolling resistance Labeling CHAR\_1 RollingResistance PCT C 0

;123 NoisePct\_dB A\_PCR Properties Outdoor testing ECE Noise labeling NUM\_1 Noise PCT I 0

;123 NoisePct\_dB A\_PCR Labels and certification Labels Noise Europe NUM\_2 Noise PCT I 0

;123 NoisePct\_dB E\_Budget\_tyres Properties Outdoor testing ECE Noise labeling NUM\_1 Noise PCT I 0

;124 NoisePctClass A\_PCR Properties Outdoor testing ECE Noise labeling CHAR\_1 NoiseClass PCT C 0

;124 NoisePctClass A\_PCR Labels and certification Labels Noise Europe NUM\_1 NoiseClass PCT C 0

;124 NoisePctClass E\_Budget\_tyres Properties Outdoor testing ECE Noise labeling CHAR\_1 NoiseClass PCT C 0

125 EC\_VehicleClass A\_PCR General information General tyre characteristics Tyre class CHARACTERISTIC EC VehicleClass C 0

125 EC\_VehicleClass E\_Budget\_tyres General information General tyre characteristics Tyre class CHARACTERISTIC EC VehicleClass C 0

126 RevisionState E\_BBQ Properties Assembly info Revision CHAR\_1 RevisionState C 0

127 QualityState E\_BBQ Properties Assembly info Quality state CHAR\_1 QualityState C 0

128 Variant E\_BBQ Properties Assembly info Variant CHAR\_1 Variant C 0

129 CustomerArtNumber E\_BBQ Properties Porsche sachnummer CHAR\_1 CustomerArtNumber C 0

;

1000 IS\_OE E\_PCR\_GT\_C SAP information Use for OE CHARACTERISTIC C 0

1001 IS\_OE E\_PCR\_GT\_B SAP information Use for OE CHARACTERISTIC C 0

1002 IS\_OE E\_PCR\_VULC SAP information Use for OE CHARACTERISTIC C 0

1003 IS\_OE A\_PCR SAP information Use for OE CHARACTERISTIC C 0

1004 IS\_OE E\_tread SAP information Use for OE CHARACTERISTIC C 0

1005 IS\_OE E\_Sidewall SAP information Use for OE CHARACTERISTIC C 0

1006 IS\_OE E\_Innerliner SAP information Use for OE CHARACTERISTIC C 0

1007 IS\_OE E\_Ply SAP information Use for OE CHARACTERISTIC C 0

1008 IS\_OE E\_Bead SAP information Use for OE CHARACTERISTIC C 0

1009 IS\_OE E\_Belt SAP information Use for OE CHARACTERISTIC C 0

1010 IS\_OE E\_Capply SAP information Use for OE CHARACTERISTIC C 0

Onderzoek ENSSQL05-general

Afbeelding met tekst, monitor, binnen, schermafbeelding

Automatisch gegenereerde beschrijving

We onderzoeken de Exp2Sap.dfm en db-connectie naar ENSSQL05 ID=general die daar gedefinieerd is.

Conclusie:

De ENSSQL05 is nog wel bereikbaar, en database=”general” bestaat ook nog.

Echter ALLE intSap-tabellen hebben hier wel de prefix=’XXX’ gekregen, en dus niet meer bereikbaar vanuit DELPHI-code.