JOBS

DBMS\_JOBS SYS.DBMS\_SCHEDULER.CREATE\_JOB

(

job\_name => **'UNILAB.UNI\_J\_WATSON'**

,start\_date => TO\_TIMESTAMP\_TZ('2021/02/06 21:00:00.000000 +01:00','yyyy/mm/dd hh24:mi:ss.ff tzh:tzm')

,repeat\_interval => 'FREQ = DAILY; INTERVAL = 1'

,end\_date => NULL

,job\_class => 'UNI\_JC\_OTHER\_JOBS'

,job\_type => 'PLSQL\_BLOCK'

,job\_action => 'begin apao\_watson.import\_files(p\_test => false); end;'

,comments => NULL

);

cxapp.startalldbjobs

StartWatsonInterface

apao\_watson.import\_files

apao\_watson.initialize

apao\_watson.set\_connection

unapigen.setconnection  
l\_client\_id := 'THIS'; *--&ComputerName;*

l\_us := 'UNILAB'; *--&Username;*

l\_applic := 'UNILAB'; *--&Application;*

l\_numeric\_characters := 'DB';

l\_date\_format := 'DDfx/fxMM/RR HH24fx:fxMI:SS';

UTSYSTEM  
WATSON\_LIBRARIES ,ZZZ\_Development.nsf,GlobalPVRnD.nsf,GlobalTesting.nsf,

WATSON\_PASSWORD unilab

WATSON\_SERVER ensidoc.vredestein.com

WATSON\_USERNAME Unilab

UNAPIGEN.SETCONNECTION4INSTALL

UNAPIGEN.SETCONNECTION4INSTALL (incl. timezone)

ALGEHELE CONNECTIE-PROCEDURE NA INLOGGEN OP DATABASE.

apao\_watson.set\_list

**L\_url** = utl\_url.escape  
'http://'||v\_username||':'||v\_password||'@'||v\_server||'/docova/'||p\_library||'/UnilabDocumentAgent?OpenAgent&Action='||l\_action||'&Link='||p\_link

usr\_http.request\_pieces(**l\_url**)

Watson-doc

UTMT

Extract-document

Doc-methods: Varchar2-to-array

Doc-attachments: Varchar2-to-array

Xml-unescape

Download-file

usr\_url.request\_pieces  
'http://'||v\_username||':'||v\_password||'@'||v\_server||'/docova/'||p\_library||'/0/'||p\_unid||'/$file/'||escape\_file(p\_filename)||'?OpenElement';

BLOB v.doc

unapifi.save\_blob

UTBLOB

UNAPIEV.INSERTEVENT('SaveBlob'

UTBLOBHS

Indien record bestaat dan UPDATE, anders INSERT .

LOOP methods

unversion.sqlgetnextmajorversion

unapimt.copymethod

UNVERSION.GETHIGHESTMINORVERSION

UNVERSION.GETNEXTMINORVERSION

UNVERSION.GETHIGHESTMAJORVERSION

UNVERSION.GETNEXTMAJORVERSION

UNAPIGEN.GETAUTHORISATION

UTMT

UTMTAU

UTMTCELL

UTMTCELLEQTYPE

UTMTCELLLIST

UTMTCELLSPIN

UTMTEL

UTMTMR

UNAPIEV.INSERTEVENT('NewMtVersion

UTMTHS

unapimt.SAVEmethod

Apao\_watson.update\_document

UNAPIGEN.GETAUTHORISATION

UNAPIEV.INSERTEVENT('SaveMethod

UTMT

UTMTHS

**L\_PARAM**:  
'Action=UPDATE&Unid='||p\_unid||'&Version='||p\_version||'&Response='||utl\_url.escape(p\_response)||'&Link='||utl\_url.escape(p\_link)

url:  
'http://'||v\_username||':'||v\_password||'@'||v\_server||'/docova/'||p\_library||'/UnilabDocumentAgent?OpenAgent&'||**l\_param**

usr\_http.request\_pieces(l\_url)

COMMIT

L\_action = LIST  
P\_LINK = null

**UTBLOB.ID= UTMT.SOP**

cxapp.stopalldbjobs

DBMS\_SCHEDULER.DROP\_JOB(l\_job\_id)

UTSYSTEM  
WATSON\_WALLET\_PATH 'C:\oracle\admin\U611\wallet\watson'

WATSON\_WALLET\_PW U611WalletPW001

ACL:   
dbms\_network\_acl\_admin.assign\_acl (

acl => **'httpacl.xml'**,

host => **'ensidoc.vredestein.com'**,

lower\_port => null,

upper\_port => null

);

UTL\_HTTP.**set\_wallet**  
('file:' || v\_wallet\_path, v\_wallet\_password);

Let op: bij herstart van de JOB komt EERSTVOLGENDE RUN pas op de volgende dag (trunc(sysdate) + 21 / 24 + 1) te staan !!!  
(evt. aanpassen door: (trunc(sysdate) + 21 / 24 ) om nog op dezelfde dat te laten draaien !!!!

Zodra er ee nieuwe versie gereleased wordt in Watson, gaat de interface 's nachts kijken of er methodes zijn in Unilab die voldoen aan de criteria. Indien dat zo is, dan wordt er teruggekoppeld aan Watson welke dit zijn. En er wordt een nieuwe versie gemaakt in Unilab die inderdaad in Editing blijft staan. Het kan tenslotte zijn dat de nieuwe SOP ook een wijziging betekent in Unilab. De configurator moet dan deze methodes even naar Approved zetten.

TEST-URL

begin   
 apao\_watson.import\_files(p\_test => false);   
end;

UTSYSTEM  
WATSON\_LIBRARIES ,ZZZ\_Development.nsf,GlobalPVRnD.nsf,GlobalTesting.nsf,

WATSON\_PASSWORD unilab

WATSON\_SERVER ensidoc.vredestein.com

WATSON\_USERNAME Unilab

'http://'||v\_username||':'||v\_password||'@'||v\_server||'/docova/'||p\_library||'/UnilabDocumentAgent?OpenAgent&Action='||l\_action||'&Link='||p\_link);  
v\_site := usr\_http.request\_pieces(l\_url);

Loop door libraries: ,ZZZ\_Development.nsf,GlobalPVRnD.nsf,GlobalTesting.nsf,

Iedere directory heeft binnen UNILAB een eigen sectie. Huidige procedure loopt door deze secties heen om te zien of er documenten gewijzigd zijn en status=SENT hebben, en voor deze documenten wordt dan in UNILAB gekeken of er gerelateerde methodes bestaan. Als dit zo is dan wordt voor die methode de nieuwe versie van dit document als BLOB bij deze methode opgeslagen.

ZZZ\_Development.nsf 🡺 development testing, deze gebruiken !!!  
GlobalPVRnD.nsf  
GlobalTesting.nsf

ACTIE: OP TESTOMGEVING, de laatste 2 voor de zekerheid uit UTSYSTEM halen !!. We willen niet dat alle DOC’s op verwerkt-status komen te staan !!!

select \* from utsystem stm where stm.setting\_name like 'WATSON%'

UPDATE utsystem stm set stm.setting\_value =',ZZZ\_Development.nsf,' where stm.setting\_name='WATSON\_LIBRARIES';

select \* from utsystem stm where stm.setting\_name like 'WATSON%'

Uitbreiding tbv WALLET-MANAGER:

insert into UTSYSTEM (setting\_name, setting\_value) values ('WATSON\_WALLET\_PATH','C:\oracle\admin\U611\wallet\watson');  
insert into UTSYSTEM (setting\_name, setting\_value) values ('WATSON\_WALLET\_PW','U611WalletPW001');

http://Unilab:unilab@ensidoc.vredestein.com/docova/ZZZ\_Development.nsf/UnilabDocumentAgent?OpenAgent&Action=LIST&Link=

Library: ZZZ\_Development.nsf

http://Unilab:unilab@ensidoc.vredestein.com/docova/ZZZ\_Development.nsf/UnilabDocumentAgent?OpenAgent&Action=LIST&Link=

**Test-Url (geeft username terug)**

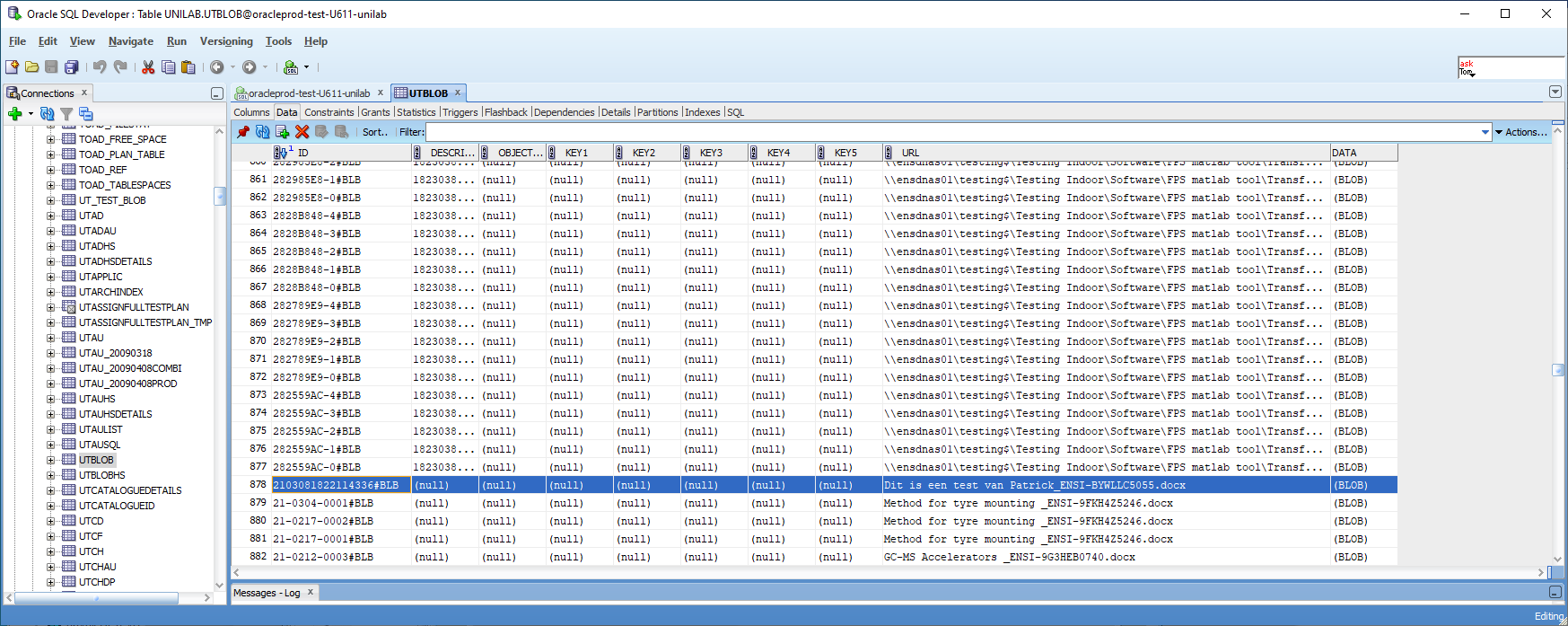
http://ensidoc.vredestein.com/docova/zzz\_development.nsf/WhoAmi?openpage

https://ensidoc.vredestein.com/docova/zzz\_development.nsf/WhoAmi?openpage  
en met user:  
https://Unilab:unilab@ensidoc.vredestein.com/docova/zzz\_development.nsf/WhoAmi?openpage

CERTIFICATEN in download-directory.

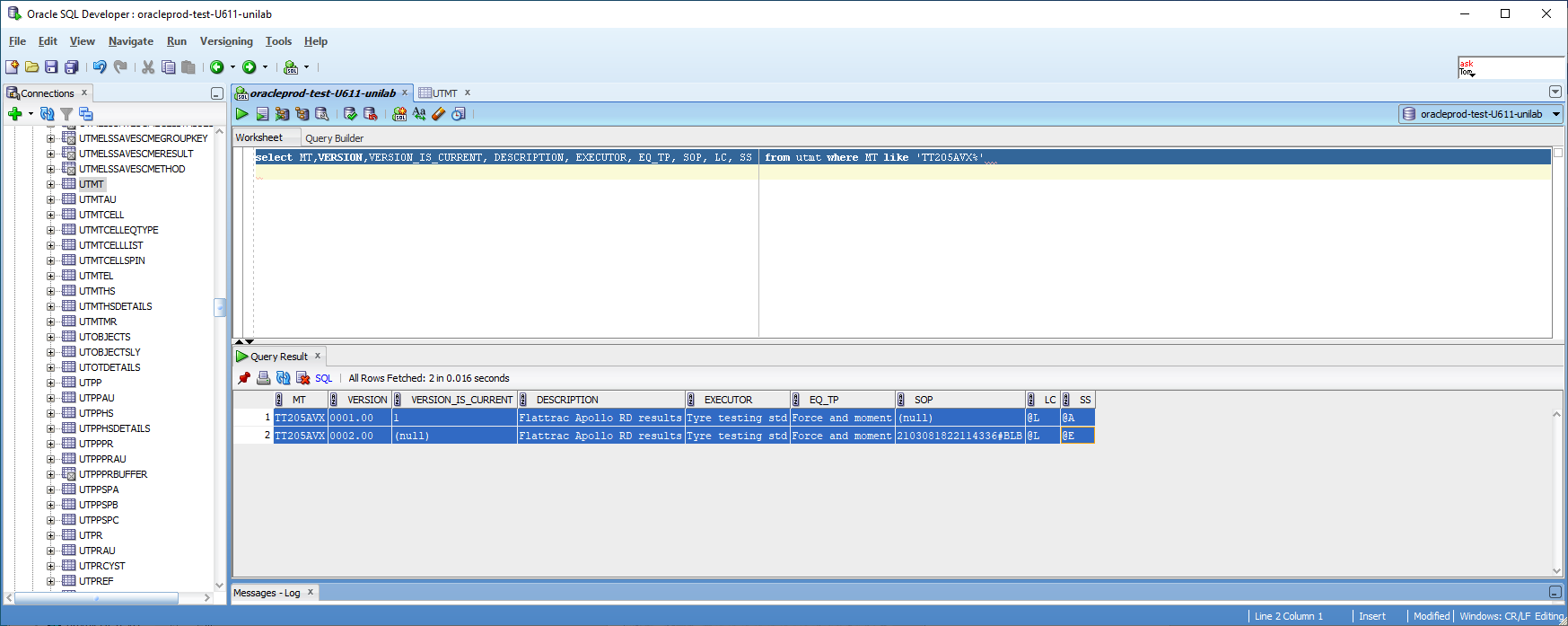
Inhoud UTBLOB

2103081822114336#BLB



Blob is opgeslagen in UTBLOB.

select MT,VERSION,VERSION\_IS\_CURRENT, DESCRIPTION, EXECUTOR, EQ\_TP, SOP, LC, SS from utmt where MT like 'TT205AVX%'



TT205AVX 0001.00 1 Flattrac Apollo RD results Tyre testing std Force and moment @L @A  
TT205AVX 0002.00 Flattrac Apollo RD results Tyre testing std Force and moment 2103081822114336#BLB @L @E

LET OP: MT-STATUS=@E

Zodra er ee nieuwe versie gereleased wordt in Watson, gaat de interface 's nachts kijken of er methodes zijn in Unilab die voldoen aan de criteria. Indien dat zo is, dan wordt er teruggekoppeld aan Watson welke dit zijn. En er wordt een nieuwe versie gemaakt in Unilab die inderdaad in Editing blijft staan. Het kan tenslotte zijn dat de nieuwe SOP ook een wijziging betekent in Unilab. De configurator moet dan deze methodes even naar Approved zetten.

select table\_name, column\_name from all\_tab\_columns where owner='UNILAB' and data\_type='BLOB';

/\*

CTLICSECIDAUXILIARY TEMPLATE

CTLICSECIDAUXILIARYOLD TEMPLATE

UTBLOB DATA

UTDC DATA

UT\_TEST\_BLOB DATA

UVLICSECIDAUXILIARYOLD TEMPLATE

UVLICSECIDAUXILIARY TEMPLATE

UVDC DATA

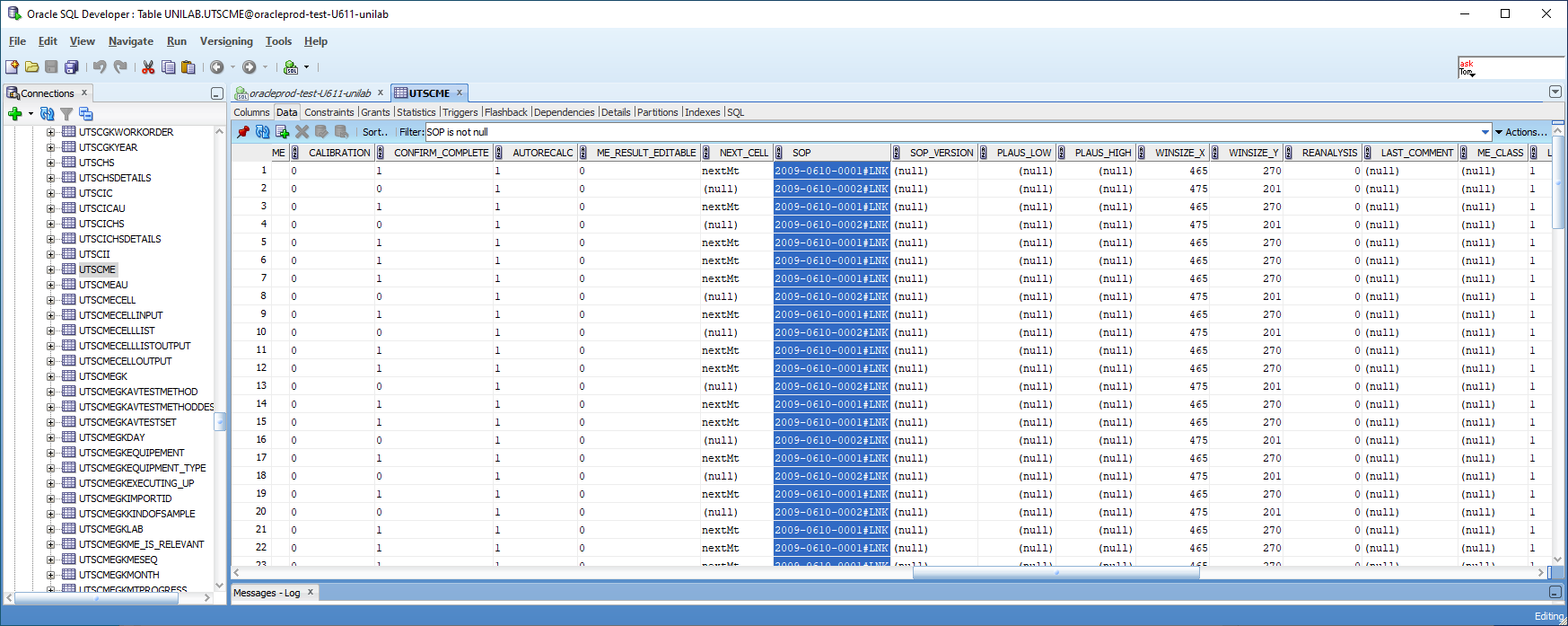
UVBLOB DATA

UDDC DATA

\*/

Conclusie: Als het goed is blijft de BLOB voor MT/ME dus altijd in de UTBLOB-tabel zitten, en wordt er alleen via een relatie het document opgehaald en getoond.

Vraag: hoe wordt bij een METHODE de PROPERTY [SOP] opgeslagen ?



Dit is een STANDAARD-attribuut in de UTSCME-tabel UTSCME.SOP !!!

**Welke tabellen hebben allemaal een SOP-column?**

select table\_name, column\_name from all\_tab\_columns where owner='UNILAB' and column\_name='SOP'

/\*

UTEQCA SOP

UTMELSSAVESCMETHOD SOP

**UTMT SOP**

UTRSCME SOP

**UTSCME SOP**

--

UDMT SOP

UDRSCME SOP

UDSCME SOP

UVEQCA SOP

UVMELSSAVESCMETHOD SOP

UVMT SOP

UVRSCME SOP

UVSCME SOP

\*/

Controle of er current METHODES zijn waarvan het document niet meer bestaat:

Select count(\*)   
from utblob;  
--oracleprod\_test: 50495  
--oracleprod: 86616

Select count(\*) , substr(id, instr(id,'#'))  
from utblob  
where instr(id,'#') > 0  
group by substr(id, instr(id,'#'))

;

/\*oracleprod\_test:  
1146 #R#BLB  
8 #R#R#BLB  
49285 #BLB  
\*/

/\*oracleprod:  
2467 #R#BLB  
19 #R#R#BLB  
84074 #BLB  
\*/

Select count(\*)  
from utscme me  
Where me.sop is not null;  
--oracleprod\_test: 1531142  
--oracleprod: 1949259

Select count(\*), substr(me.sop, instr(me.sop,'#'))  
from utscme me  
Where me.sop is not null  
and instr(me.sop,'#') > 0  
group by substr(me.sop, instr(me.SOP,'#'))  
;

/\*oracleprod\_test:  
2 #DOC#0001.00  
1142947 #LNK  
388161 #BLB  
\*/

/\*oracleprod:  
2 #DOC#0001.00  
1163627 #LNK  
785598 #BLB  
\*/

Select me.sop , count(\*)  
from utscme me  
Where me.sop is not null  
and instr(me.sop,'#BLB') > 0  
and not exists (select blob.id from utblob blob where blob.id = me.sop)  
group by me.sop  
;

/\*oracleprod\_test:  
TC006E-3.0.0#BLB 106  
1802022100119025#BLB 2  
2011-0606-0004#BLB 202  
\*/

/\*oracleprod:

2020-0910-0001 #BLB 87

2020-1014-0032 #BLB 239

TC006E-3.0.0#BLB 106

20-0409-0001#BLB 1

1802022100119025#BLB 2

2020-0430-0012#BLB 224

2020-0423-0045#BLB 13

19-0828-0003#BLB 222

2011-0606-0004#BLB 202

\*/

Select mt.mt, mt.sop , count(\*)  
from utmt mt  
Where mt.sop is not null  
and mt.version\_is\_current = 1  
and instr(mt.sop,'#BLB') > 0  
and not exists (select blob.id from utblob blob where blob.id = mt.sop)  
group by mt.mt, mt.sop  
;

--Oracleprod\_test:

-- TT501A 2020-1014-0032#BLB 1

Select me.me, me.ss, max(me.exec\_start\_date)   
from utscme me  
where me.me in (‘TT501A’)  
and me.ss not in (‘@C’);

TT501A CM 74

TT501A @P 12

TT501A WA 5

TT501A AV 3

Select count(\*), substr(mt.sop, instr(mt.sop,'#'))  
from utmt mt  
Where mt.sop is not null  
and mt.version\_is\_current = 1  
and instr(mt.sop,'#') > 0  
group by substr(mt.sop, instr(mt.SOP,'#'))  
;

58 #LNK

718 #BLB

Select mt.mt, mt.sop , mt.ss, count(\*)  
from utmt mt  
Where mt.sop is not null  
and mt.version\_is\_current = 1  
and instr(mt.sop,'#LNK') > 0  
group by mt.mt, mt.sop, mt.ss  
order by mt.mt, mt.sop, mt.ss  
;

EC008A 2020-0604-0017#LNK @A 1

PP002F 2012-0420-0010#LNK @A 1

PP007K 2020-0605-0001#LNK @A 1

PP009EQ 2020-0602-0002#LNK @A 1

PP009HE 2020-0602-0003#LNK @A 1

PP009HQ 2020-0602-0004#LNK @A 1

PP016GC 2020-0603-0001#LNK @A 1

PP016GF 2020-0603-0002#LNK @A 1

PP017EN 2020-0603-0003#LNK @A 1

PP024Z 2020-0605-0002#LNK @A 1

PT425A 2014-1027-0007#LNK @A 1

TC002A 2020-0608-0001#LNK @A 1

TC006B 2020-0608-0002#LNK @A 1

TC027A 2020-0608-0005#LNK @A 1

TC030A 2020-0608-0004#LNK @A 1

TC036A 2020-0609-0002#LNK @A 1

TC038A 2020-0609-0001#LNK @A 1

TC045B 2020-0609-0003#LNK @A 1

TC\_TGA\_long\_test 2015-0616-0002#LNK @A 1

TC\_TGA\_short\_test 2015-0615-0005#LNK @A 1

TP013J 2021-0222-0004#LNK @A 1

TP018A 2016-0919-0001#LNK @A 1

TP022A 2013-1023-0023#LNK @A 1

TP105A 2020-0604-0012#LNK @A 1

TP110A 2020-0604-0013#LNK @A 1

TP110C 2020-0604-0014#LNK @A 1

TP110D 2020-0604-0015#LNK @A 1

TP118A 2020-0604-0016#LNK @A 1

TT520A1 2017-0615-0011#LNK @A 1

TT520B1 2017-0615-0010#LNK @A 1

TT520C1 2017-0615-0009#LNK @A 1

TT520D1 2021-0216-0005#LNK @A 1

TT520D2 2021-0216-0004#LNK @A 1

TT520D3 2021-0216-0003#LNK @A 1

TT610A 2018-1002-0003#LNK @A 1

TT610A1 2018-1002-0004#LNK @A 1

TT610A2 2018-1002-0005#LNK @A 1

TT610A3 2018-1002-0006#LNK @A 1

TT610A4 2018-1002-0007#LNK @A 1

TT610A5 2018-1002-0008#LNK @A 1

TT610A6 2018-1002-0009#LNK @A 1

TT610A7 19-1016-0004#LNK @A 1

TT610A8 2020-0327-0007#LNK @A 1

TT720A 2018-0920-0001#LNK @A 1

TT732B 2019-0724-0005#LNK @A 1

TT732C 2019-0724-0004#LNK @A 1

TT732D 2019-0724-0003#LNK @A 1

TT732E 2019-0724-0002#LNK @A 1

TT732F 2019-0724-0001#LNK @A 1

TT735K 2017-0809-0001#LNK @A 1

TT737A 2015-1207-0110#LNK @A 1

TT737B 2015-1207-0109#LNK @A 1

TT811A 2012-0427-0005#LNK @A 1

test\_TC030B 2015-0616-0005#LNK @A 1

test\_TC039B 2015-0616-0024#LNK @A 1

test\_TC040A 2015-0910-0001#LNK @A 1

test\_TC041B 2015-0616-0025#LNK @A 1

test\_TC041E 2015-0910-0003#LNK @A 1

Select me.me, me.ss, max(me.exec\_start\_date)

from utscme me

where me.me in

(select mt.mt

from utmt mt

Where mt.sop is not null

and mt.version\_is\_current = 1

and instr(mt.sop,'#LNK') > 0

)

and me.ss not in ('@C')

group by me.me, me.ss

order by me.me, me.ss;

EC008A CM 22-02-2021 01.53.28.000000000 PM

PP002F CM 20-09-2016 09.14.16.000000000 AM

PP007K CM 28-10-2020 08.44.53.000000000 AM

PP007K WA

PP009EQ @P 11-08-2009 10.10.32.000000000 AM

PP009EQ AV

PP009EQ CM 03-03-2021 08.30.50.000000000 AM

PP009HE CM 28-10-2010 12.07.48.000000000 PM

PP009HQ @P 11-08-2009 10.10.32.000000000 AM

PP009HQ CM 04-02-2020 12.45.21.000000000 PM

PP016GC CM 21-04-2016 02.35.01.000000000 PM

PP016GF CM 30-05-2016 12.51.16.000000000 PM

PP017EN @P 31-08-2009 09.07.21.000000000 AM

PP017EN CM 14-09-2020 08.09.02.000000000 AM

TC002A CM 12-06-2008 08.58.16.000000000 AM

TC030A CM 15-01-2021 03.07.40.000000000 PM

TC036A CM 07-09-2012 01.32.30.000000000 PM

TC038A CM 10-11-2014 02.49.37.000000000 PM

TC045B CM 07-09-2018 02.52.46.000000000 PM

TC\_TGA\_long\_test AV

TC\_TGA\_long\_test CM 16-06-2015 12.43.13.000000000 PM

TC\_TGA\_short\_test CM 15-06-2015 10.25.21.000000000 AM

TP013J CM 30-01-2019 11.14.01.000000000 AM

TP018A CM 21-11-2016 02.21.07.000000000 PM

TP022A CM 21-05-2011 03.53.10.000000000 AM

TP105A @P 31-08-2009 09.28.48.000000000 AM

TP105A AV

TP105A CM 02-03-2021 07.54.27.000000000 AM

TP105A WA

TP110A @P 31-08-2009 09.28.48.000000000 AM

TP110A CM 23-05-2013 10.58.37.000000000 AM

TP110C CM 14-01-2021 08.07.32.000000000 AM

TP110D @P

TP110D CM 14-01-2021 07.48.31.000000000 AM

TP110D WA

TP118A @P 11-08-2009 10.10.32.000000000 AM

TP118A CM 10-02-2020 12.31.17.000000000 PM

TT520A1 @P

TT520A1 CM 31-03-2017 06.27.58.000000000 AM

TT520B1 CM 02-05-2017 01.59.48.000000000 PM

TT520C1 CM 24-06-2016 01.22.42.000000000 PM

TT520D1 @P

TT520D1 CM 08-03-2021 11.57.33.000000000 AM

TT520D1 WA

TT520D2 @P

TT520D2 CM 04-03-2021 05.12.47.000000000 AM

TT520D2 WA

TT610A @P 25-11-2009 11.49.20.000000000 AM

TT610A AV 04-03-2021 01.59.17.000000000 PM

TT610A CM 09-03-2021 02.02.33.000000000 PM

TT610A WA

TT610A1 @P 02-11-2019 10.28.15.000000000 AM

TT610A1 AV 04-03-2021 01.59.17.000000000 PM

TT610A1 CM 09-03-2021 02.18.40.000000000 PM

TT610A1 IE 04-07-2020 04.43.37.000000000 PM

TT610A1 WA

TT610A2 @P 31-03-2010 10.30.49.000000000 AM

TT610A2 CM 09-03-2021 10.09.27.000000000 AM

TT610A2 WA

TT610A3 @P

TT610A3 CM 15-02-2021 09.55.53.000000000 PM

TT610A3 WA

TT610A4 @P

TT610A4 AV 04-03-2021 01.59.17.000000000 PM

TT610A4 CM 09-03-2021 02.16.24.000000000 PM

TT610A4 WA

TT610A5 CM 02-05-2012 11.16.01.000000000 AM

TT610A6 @P

TT610A6 AV 04-03-2021 01.59.17.000000000 PM

TT610A6 CM 09-03-2021 02.17.17.000000000 PM

TT610A6 WA

TT610A7 @P

TT610A7 WA

TT610A8 @P

TT610A8 CM 05-02-2021 01.44.02.000000000 PM

TT720A CM 17-09-2020 01.12.12.000000000 PM

TT732C CM 12-04-2018 08.35.13.000000000 AM

TT732D @P

TT732D CM 28-10-2020 12.39.16.000000000 AM

TT732E CM 18-09-2018 08.36.37.000000000 AM

TT732F CM 22-08-2016 04.39.41.000000000 PM

TT737A CM 06-12-2012 11.15.19.000000000 AM

TT737B CM 06-10-2009 08.47.00.000000000 PM

TT811A CM 13-04-2012 11.59.51.000000000 AM

test\_TC030B AV

test\_TC030B CM 16-06-2015 12.47.43.000000000 PM

test\_TC039B AV

test\_TC039B CM 16-06-2015 12.45.37.000000000 PM

test\_TC040A CM 16-06-2015 12.48.59.000000000 PM

test\_TC040A WA

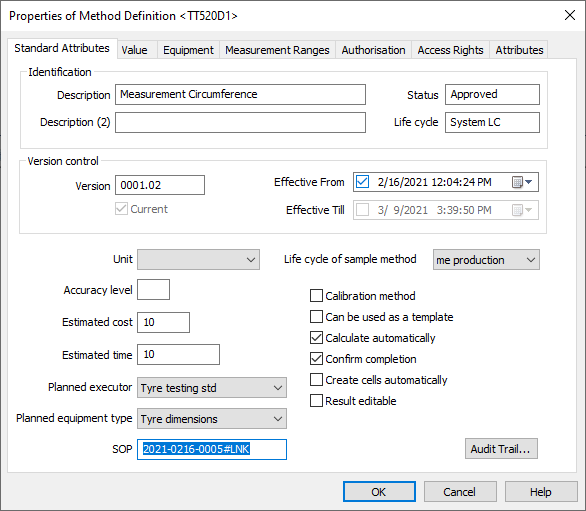
test\_TC041B AV

test\_TC041B CM 16-06-2015 01.17.04.000000000 PM

test\_TC041E AV

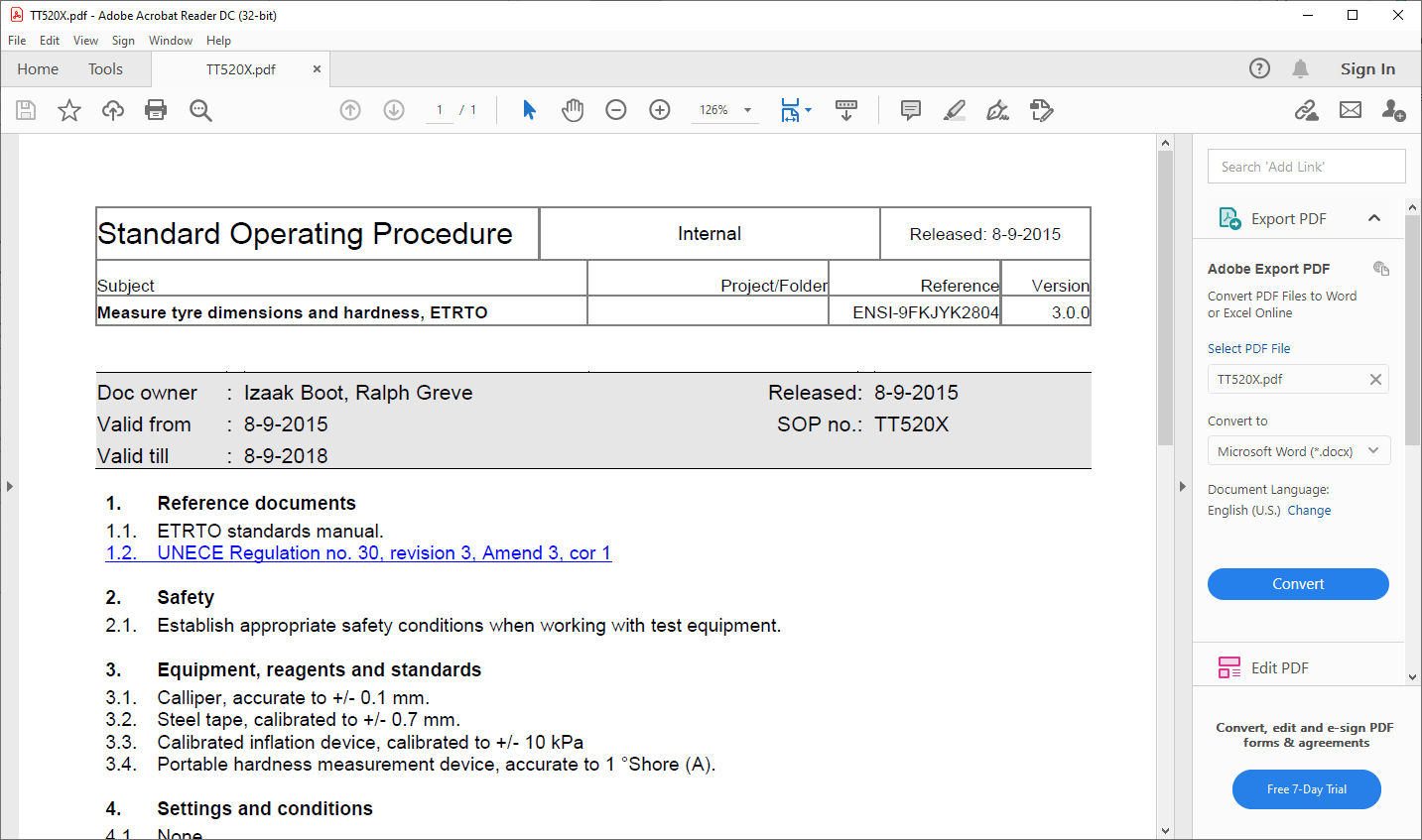
WATSON-SOP-LINK

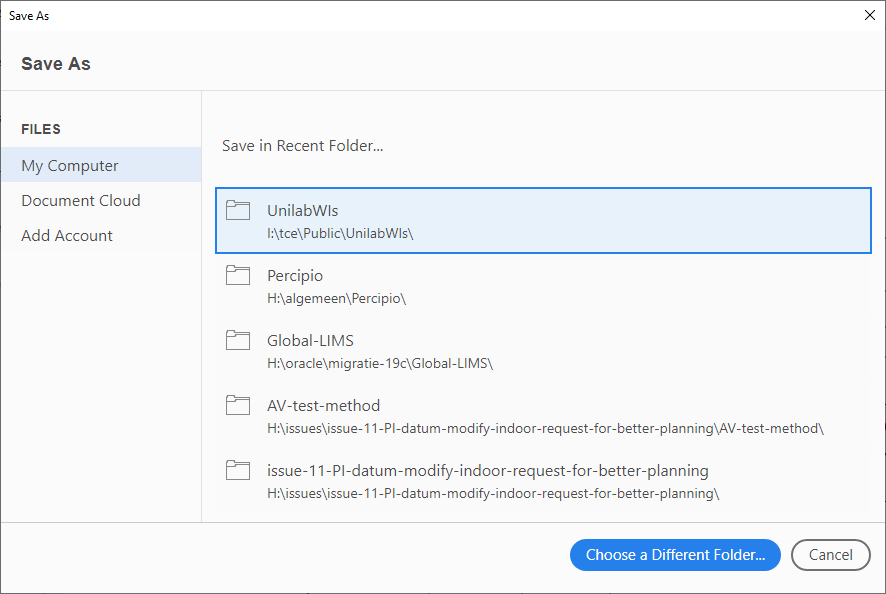
Methode=TT520D1



SOP = 2021-0216-0005#LNK

DUBBELKLIK IN SOP-property-veld





Directory: I:/tce/Public/UnilabWls

