



Modèle de Dossier de Spécifications Fonctionnelles DP-MD03-FR

Index des révisions du modèle :

Version	Date de révision	Chapitre(s) révisé(s)	Motif de la révision	Rédacteurs
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1 - INTRODUCTION

1.1 - Description

To the view of the implementation of the new European norm by the use of values WLTP; this document, must by objective inform to the B2B clients of group PSA, to be able to accede to information WLTP of its range in its different brands.

It is explained, how to user the rest webservice, where the parameters to use in the request are on the base of LCDV's codification for the vehicles.

		VERSION									External			Internal			Options											
	MODEL													Trim			Trim											
				CA	AR TY	PE																						
		FAN	1ILY																									
POSITION:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
CHARACTER:	1	С	s	8	A	5	K	2	N	5	0	1	A	0	٧	0	M	0	K	S	Z	3	F	T	2	7	v	R
	1	2	3	3	4	1	5	6	5	7	8	3	9)	10	11	1	2	1	3	1	4	1	5		1	6	

1	Category of the vehicle	1	=	VT
2	Commercial brand	С	=	Citroën
3	Line of product	S8	=	Sax
4	Silhouette/Doors	A5	=	Saloon car 5 doors
5	Finished	K	=	VTL
6	Piston displacement/Feeding	2N	=	1.6
7	Gear box	5	=	5 manual
8	Base of conception	01	=	Spain
9	Customer of conception	A0	=	Standard
10	Year model	V	=	1999
11	Modification during the year model	0	=	Initial
12	External Trim / type	MO	=	Metalised
13	External Trim / color	KS	=	Red
14	Internal Trim / type	Z3	=	Fabric
15	Internal Trim / color	FT	=	Gray
16	Code option	27VR	=	Retaining loop + electrical pack





2 - FONCTIONS / CAS D'UTILISATION

2.1 - Webservice WLTPInfo:

2.1.1 - Request

2.1.1.1 - Definition:

WitpinfoQuery									
Client			String	The name of B2B client					
Brand			String	PSA brands (1char) P, C, etc					
Country			String	ISO country (2 char)					
Lcdvs									
	Lcdv								
		Version16	String	LCDV, version16 (16 char)					
		TrimExtInt	String	Exterior and Interior Trims (8 char)					
		Options	String list json	List options (alphabetical order A-Z)					

2.1.1.2 - Example:



IMPORTANT: The options is a list json in order A-Z

Example of REQUTE type JSON:









MODELE REQUETE:

2.1.2 - Response

2.1.2.1 - Definition:

			W	ltpInfoRespon	se	
cdvs						
Lcdv						
	Version16				String	LCDV, version16 (16 char)
	TrimExtInt				String	Exterior and Interior Trims (8 char)
	Options				String list json	List options (alphabetical order A-Z)
	StatusResponse					
		code			String	validation of version config
		label			String	description result
	WltpInfo					
		status				
			code		String	status response witp values
			label		String	description
		phase			list json objects	
			code		String	
			result			
				code	String	
				value	String	

Values for StatusResponse and Status

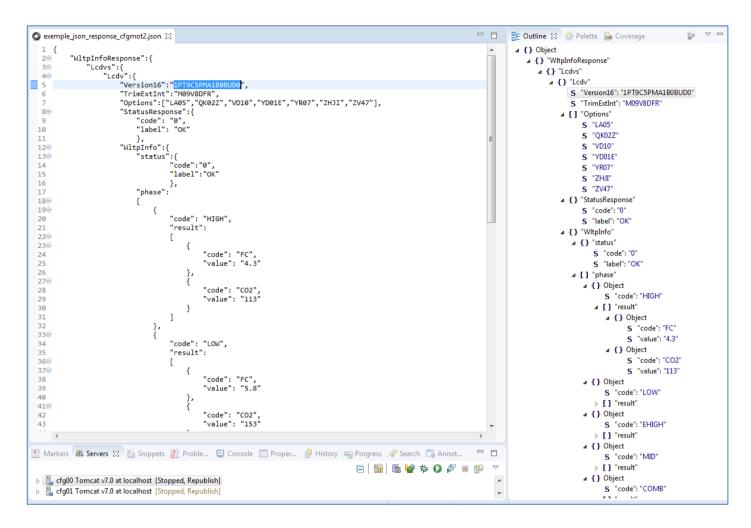
	StatusResponse							
Code	Label							
0	ОК							
1	The version cannot be formed + trim + options.							
2	The version is not WLTP.							
3	General error.							

Status							
Code	Label						
0	OK						
1	КО						





2.1.2.2 - Example:



Example of RESPONSE type JSON:



exemple_json_response_cfgmot2.json

MODELE RESPONSE:

```
"WltpInfoResponse": {
       "Lcdvs": {
               "Lcdv": {
                       "Version16": "1PT9C5PMA1B0BUD0",
                       "TrimExtInt": "M09V8DFR",
                       "Options": ["LA05","QK02Z","VD10","YD01E","YR07","ZHJI","ZV47"],
                       "StatusResponse": {
                              "code": "0",
                              "label": "OK"
                       "WltpInfo": {
                              "status": {
                                      "code": "0",
                                      "label": "OK"
                               },
                               "phase": [{
                                              "code": "HIGH",
```





```
"result": [{
                         "code": "FC",
                         "value": "4.3"
                 },
                 {
                         "code": "CO2",
                         "value": "113"
                 }
         ]
 },
 {
         "code": "LOW",
         "result": [{
                         "code": "FC",
                         "value": "5.8"
                 },
                 {
                         "code": "CO2",
                         "value": "153"
                 }
         ]
 },
 {
         "code": "EHIGH",
         "result": [{
                         "code": "FC",
                         "value": "5.2"
                 },
                 {
                         "code": "CO2",
                         "value": "136"
                 }
         ]
 },
 {
         "code": "MID",
         "result": [{
                         "code": "FC",
                         "value": "4.8"
                 },
                 {
                         "code": "CO2",
                         "value": "126"
                 }
         ]
 },
 {
         "code": "COMB",
         "result": [{
                         "code": "FC",
                         "value": "4.9"
                 },
                 {
                         "code": "CO2",
                         "value": "129"
                 }
       ]
}
```

There are two levels of errors: StatusResponse (for CFGMOT2 validation) and Status (For WLTP values)

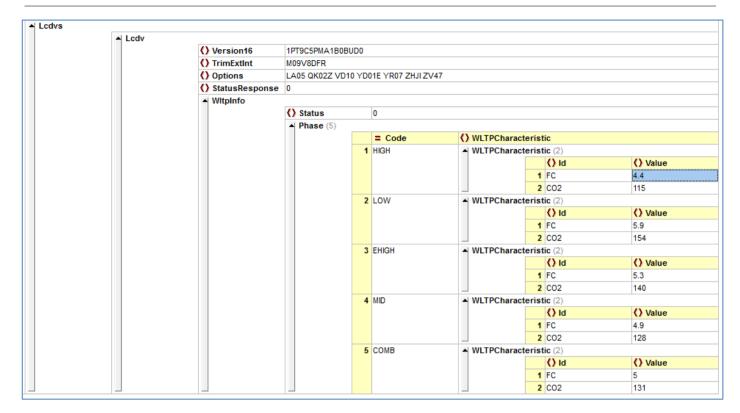
}

}

]







All version + Trim + Options Requested will be responded with StatusResponse.





2.2 - File JSON to Pre-Load Cache:

A solution to diminish the calls to webservice of CONFIG/MOT2, is to feed one CACHE, where to recover the information WLTP. CONFIG/MOT2, will make available files in format *json* for pre-load these data.

The PSA application (CONFIG/MOT2) will send to the B2B client, a file in format *json* with the information to load a CACHE. The expiration-date of the data will be of 15 days. This number of days can be parameter to deploy in cache.

In this way, it will be avoided, that the B2B client must to call directly to CONFIG/MOT2 WebServices, because the B2B client already has information's WLTP.

2.2.1 - Definition:

			json	exported to I	oad cache	
list json	objects					
Lo	cdv					
	Version16				String	LCDV, version16 (16 char)
(Key)	TrimExtInt				String	Exterior and Interior Trims (8 char)
	Options				String list json	List options (alphabetical order A-Z)
	StatusResponse	e				
		code			String	validation of version config
		label			String	description result
	Witpinfo					
		status				
			code		String	status response witp values
			label		String	description
		phase			list json objects	
			code		String	
			result			
				code	String	
				value	String	

The key to initiate the search of WLTP's values they are: Version16 + TrimExtInt + Options.

However, when it is called to webservice of CONFIG/MOT2, the "brand/country" must be included, due to the architecture of the application.

2.2.2 - Example file:

Example of File json to load in CACHE:

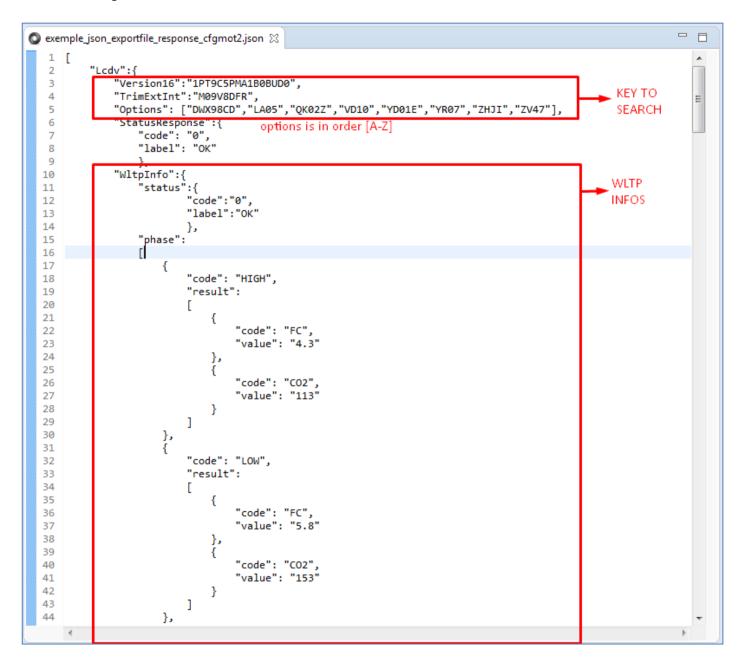


exemple_json_exportfile_response_cfgmot2.json





2.2.2.1 - Object Json: List of Lcdvs:



2.2.2.2 - Model Json-File Exported to load Cache





```
"phase":
               "code": "HIGH",
               "result":
               [
                       {
                               "code": "FC",
                               "value": "4.3"
                       },
                       {
                               "code": "CO2",
                               "value": "113"
                       }
               ]
       },
       {
               "code": "LOW",
               "result":
                       {
                               "code": "FC",
                               "value": "5.8"
                       },
                       {
                               "code": "CO2",
                               "value": "153"
                       }
               ]
       },
       {
               "code": "EHIGH",
               "result":
               [
                       {
                               "code": "FC",
                               "value": "5.2"
                       },
                       {
                               "code": "CO2",
                               "value": "136"
                       }
               ]
       },
       {
               "code": "MID",
               "result":
                       {
                               "code": "FC",
                               "value": "4.8"
                       },
                       {
                               "code": "CO2",
                               "value": "126"
                       }
               ]
       },
               "code": "COMB",
               "result":
                       {
                               "code": "FC",
                               "value": "4.9"
                       },
                       {
```





```
"code": "CO2",
                                              "value": "129"
                                      }
                              ]
               ]
       }
},
"Lcdv":{
       "Version16":"1PT9C5PMA1B0BUD2",
       "TrimExtInt": "M09V8DFR",
       "Options": ["LA05","QK02Z","VD10","YD01E","YR07","ZHJI","ZV47"],
       "StatusResponse":{
               "code": "0",
               "label": "OK"
               },
       "WltpInfo":{
               "status":{
                               "code":"0",
                               "label":"OK"
                               },
               "phase":
               [
                               "code": "HIGH",
                               "result":
                                       {
                                              "code": "FC",
                                              "value": "4.3"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "113"
                                      }
                               ]
                       },
                       {
                               "code": "LOW",
                               "result":
                                       {
                                              "code": "FC",
                                              "value": "5.8"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "153"
                                       }
                               ]
                       },
                               "code": "EHIGH",
                               "result":
                                       {
                                              "code": "FC",
                                              "value": "5.2"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "136"
                                       }
                               ]
                       },
                       {
                               "code": "MID",
```





```
"result":
                                       {
                                              "code": "FC",
                                               "value": "4.8"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "126"
                                       }
                               ]
                       },
                       {
                               "code": "COMB",
                               "result":
                                       {
                                               "code": "FC",
                                               "value": "4.9"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "129"
                                       }
                               ]
                      }
               ]
       }
},
"Lcdv":{
       "Version16":"1PT9C5PMA1B0BUD3",
       "TrimExtInt": "M09V8DFR",
       "Options": ["DWX98CD","LA05","QK02Z","VD10","YD01E","YR07","ZHJI","ZV47"],
        "StatusResponse":{
               "code": "0",
               "label": "OK"
               },
       "WltpInfo":{
               "status":{
                               "code":"0",
                               "label":"OK"
                               },
               "phase":
                               "code": "HIGH",
                               "result":
                                       {
                                              "code": "FC",
                                              "value": "4.3"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "113"
                                       }
                               ]
                       },
                               "code": "LOW",
                               "result":
                                       {
                                              "code": "FC",
                                              "value": "5.8"
                                       },
                                       {
```



"code": "CO2",



```
"value": "153"
                                      }
                               ]
                       },
                               "code": "EHIGH",
                               "result":
                               [
                                       {
                                              "code": "FC",
                                              "value": "5.2"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "136"
                                       }
                               ]
                       },
                               "code": "MID",
                               "result":
                               [
                                       {
                                              "code": "FC",
                                              "value": "4.8"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "126"
                                       }
                               ]
                       },
                               "code": "COMB",
                               "result":
                                       {
                                              "code": "FC",
                                              "value": "4.9"
                                       },
                                       {
                                              "code": "CO2",
                                              "value": "129"
                                       }
                              ]
       }
},
"Lcdv":{
       "Version16":"1PT9C5PMA1B0BUD5",
       "TrimExtInt": "M09V8DFR",
        "Options": ["ZHJI", "VD10", "ZV47", "YD01E", "QK02Z", "LA05","YR07"],
        "StatusResponse":{
               "code": "0",
               "label": "OK"
               },
       "WltpInfo":{
               "status":{
                               "code":"0",
                               "label":"OK"
                               },
               "phase":
                               "code": "HIGH",
```





```
"result":
               {
                       "code": "FC",
                       "value": "4.3"
               },
               {
                       "code": "CO2",
                       "value": "113"
               }
       ]
},
{
       "code": "LOW",
       "result":
               {
                       "code": "FC",
                       "value": "5.8"
               },
               {
                       "code": "CO2",
                       "value": "153"
               }
       ]
},
{
       "code": "EHIGH",
       "result":
               {
                       "code": "FC",
                       "value": "5.2"
               },
               {
                       "code": "CO2",
                       "value": "136"
               }
       ]
},
        "code": "MID",
       "result":
               {
                       "code": "FC",
                       "value": "4.8"
               },
               {
                       "code": "CO2",
                       "value": "126"
               }
       ]
},
{
       "code": "COMB",
       "result":
               {
                       "code": "FC",
                       "value": "4.9"
               },
               {
                       "code": "CO2",
                       "value": "129"
               }
       ]
```

CFGMOT2Dossier de Spécifications Fonctionnelles



