# **Manual for the transition from FFD 1.05 to FFD 1.2**

# **What needs to be done to switch to FFD 1.2:**

1. Support updated Orangedata service protocol : <https://github.com/orangedata-official/API/blob/master/orangedata_API_Russian_ffd_1.2.docx>

- Please note that the check check method remains the same for both FFD 1.05 and FFD 1.2 (POST /api/v2/ documents /)

- The correction check method was divided into 2 independent ones. FFD 1.05 (POST /api/v2/corrections/) and FFD 1.2 (POST /api/v2/correction12/)

2. Check the version of the fiscal drive. If you use a model without the M suffix, you are lucky, you can finalize it on FFD 1.05 until the end of the FN use period.

3. Re-register the cash desk, you can do this in your Orangedata personal account . instructions are available via the link. <https://orangedata.ru/support/registratsiya-i-nastrojka-kkt/vvod-dannykh-dlya-fiskalizatsii-dlya-ffd-1-2>

After refiscalization of the cash register on FFD 1.2, the devices will be moved to new groups, respectively:

|  |  |
| --- | --- |
| **It was** | **will change** |
| Main | Main\_2 |
| Transp | Transp\_2 |
| Courier | Courier\_2 |
| Vend | Vend\_2 |

the addition to the name "\_2" will indicate that the group only works with cash registers fiscalized for work with FFD 1.2

You need to change the name of the group when sending a request to the service.

If you have groups with a different name, you will need to contact the above-mentioned emails (api@orangedata.ru or help@orangedata.ru) to change the name of the groups.

# **Change in the structure of the request to create a check ( POST )**

**Passing the marking code in the structure of the receipt creation request**

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| **FFD 1.05**  Content / positions / nomenclatureCode | nomenclatureCode :  Value - **Code of the commodity nomenclature, Code of the commodity for OFD, encoded in base64**  TAG - **1162** |
| **FFD 1.2**  content / positions / itemCode | itemCode :  Value - **Code of the Marked Good in explicit form, transfer directly the value read by the scanner (GS-character special code is used to separate groups of information)**  TAG - **2000** |

Transferring the unit of measurement of the subject of settlement in the structure of the receipt creation request

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| **FFD 1.05**  Content / positions / unitOfMeasurement | unitOfMeasurement :  Value - **Unit of measurement of the subject of calculation**  TAG - **1197** |
| **FFD 1.2**  content / positions / quantityMeasurementUnit | quantityMeasurementUnit :  Value - **A measure of the quantity of the subject of calculation**  TAG - **2108** |

Passing the agent attribute in the structure of the receipt creation request

**IMPORTANT:** The "Agent sign" parameter in **FFD 1.2** is transmitted strictly to **each position.**

Transfer of the "Agent sign" parameter **to a check** is possible only according to **FFD 1.05.**

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| **FFD 1.05**  content / agentType | agentType :  Value - **Sign of the agent. It can take several values at once, expressed as the sum of available numeric values.**  TAG - **1057** |
| **FFD 1.05; FFD 1.2**  content / positions / agentType | agentType :  Value - **Sign of the agent**  TAG - **1057** |

Passing information about the client in the structure of the request to create a check

**IMPORTANT : A** new tag **1256 was created** to transfer additional information about the client in the check according to **FFD 1.2**

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| **FFD 1.05 ;**  content /customer | customer :  Meaning - **Buyer (client)**  TAG - **1227** |
| **FFD 1.05 ;**  Content / customerINN | customerINN :  Value - **INN of the buyer (client), the field cannot accept an empty string as a value**  TAG - **1228** |
| **FFD 1.2**  Content/ customerInfo ( Composite parameter , consists from : customerINN , customer , birthDate , citizenship , identityDocumentCode , identityDocumentCode , address ) | customerInfo :  Meaning - **Customer Information**  TAG **- 1256**  **Component tags:**  customerINN :  Value - **INN of the buyer (client), the field cannot accept an empty string as a value**  TAG - **1228**  **-------------------------------------------------- ------**  customer :  Meaning - **Buyer (client)**  TAG - **1227**  **-------------------------------------------------- ------**  birthDate :  Value - **Client's birthday (in DD.MM.YY format)**  TAG **- 1243**  **-------------------------------------------------- ---------**  citizenship :  Meaning - **Citizenship**  TAG **- 1244**  **-------------------------------------------------- ---------**  identityDocumentCode :  Meaning - **Identity document type code**  TAG - **1245**  **-------------------------------------------------- ----------**  identityDocumentData :  Meaning - **Identity document details**  TAG - **1246**  **-------------------------------------------------- ----------**  address :  Value - **Client Address**  TAG - **1254** |

The "Industry requisite of the check" parameter in the structure of the request for creating a check.

**Important - only for FFD 1.2**

|  |  |
| --- | --- |
| **FFD 1.2**  Content/ industryAttribute ( Composite parameter , consists from : foivId , causeDocumentDate , causeDocumentNumber , value ) | industryAttribute :  Value - **Branch requisite of the check**  TAG - **1261**  **Component tags:**  foivId :  Value - **FOIV ID, 1262. Must be one of: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072**  TAG - **1262**  **-------------------------------------------------- ----**  causeDocumentDate :  Value - **Date of founding document (Format dd.mm.yy )**  TAG - **1263**  **-------------------------------------------------- ----**  causeDocumentNumber :  Value - **Base document number**  TAG - **1264**  **-------------------------------------------------- ----**  value :  Value - **The value of the industry attribute**  TAG - **1265** |