



RFC-List version	RFC #	SYNERGIA	A5 Ref.
tbd	#388	-	(543)
RFC Version: 1.00-EN		Status: Accepted by NPM	

CUSTOMS/RFC: DDNTA: From 'NCTS TIR RU' to a more generic 'NCTS TIR DATA' description

RFC Proposal

RFC Title	NCTS: TR for 'RU' as Country of Destination in IE012 DDNTA: From 'NCTS TIR RU' to a more generic 'NCTS TIR DATA' description		
Related Incident(s) / Known Error			
Impacted Systems	NCTS <input checked="" type="checkbox"/> ECS <input type="checkbox"/> ICS <input type="checkbox"/> EOS <input type="checkbox"/> COPIS <input type="checkbox"/> TARIC <input type="checkbox"/> RISK Mgmt <input type="checkbox"/> NCTS-TIR-RU <input checked="" type="checkbox"/>		
Type of Change	Simplified <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Emergency <input type="checkbox"/>		
Affected Document(s) & Version	DDNTA v19.40 - DDSPEED v5.00		
Implementation date	Proposed by COM	01/10/2017	Big bang (Y <input type="checkbox"/> /N <input checked="" type="checkbox"/>)
	Decision by ECCG-20	dd/mm/yyyy	Big bang (Y <input type="checkbox"/> /N <input type="checkbox"/>)

Analysis – Justification

Only for NPM of MS participating to NCTS/TIR-RU (or NCTS/TIR-MD, NCTS/TIR-UA, ... in the future)

THIS NEW VERSION WAS SENT FOR NPM REVIEW #2 **TO TAKE INTO ACCOUNT THE NEED FOR A MORE GENERIC APPROCH** **IN THE TECHNICAL SPECIFICATIONS FOR NCTS TIR PILOT PROJECTS.**

Since the DDNTA v10.00 (published in October 2009), the Main Document includes the specifications of "NCTS TIR RU" Pilot Project (the electronic exchange of TIR data in operations started on 01 January 2009).

Taking into account the MASP Project for the exchange of TIR DATA from (the participating) MS to Moldova (MD) and to Ukraine (UA), the document "Design Document for SPEED (DDSPED) with Russian FCS – Phase 1" should be made more generic "Design Document for NCTS TIR DATA (DDNTIR) – Phase 1" (i.e. not only for Russia).

Rejuvenating DDSPEED is also justified by the fact that 'SPEED' was the name of the infrastructure created in 2009 for this specific project, but today, the SPEED2 platform is not only used for the exchange of NCTS/TIR data to Russia, but for various exchanges (outside NCTS), with various partners (worldwide).

The purpose is to remain flexible for the possible extension of the project to more 'Partner Countries', at any time, without having the constraint to launch a new review cycle for the Technical Specifications, and without having to publish urgently a new DDNTA.

By having one DDNTA document covering the existing and future Partner Countries, it also offers the guarantee to the MS that the structure of the messages exchanged with the various Partner Countries will remain consistent (i.e. *without* introducing additional complexity or particularities for each Partner Country).

For ensuring this generic approach, and offering at the same time a good guarantee that the IE012 are sent to the right Partner Country, with sufficient traceability, the DDCOM & DDNTA needs to clarify that for each Partner Country, **one different queue will be used on the DG TAXUD CCN gateway.**

At the same time, the transposition of the existing textual rule defined in the DDNTA v19.40 Main Document into a new TR in the Appendix Q2 **will also solve the problem reported by Russia,**



analysed within incident [IM22288](#), and confirmed by DG TAXUD/A3.

It was observed that a message IE012 which is valid against DDNTA v19.40 is leading to an IES01 which is correctly rejected by NA-RU. In IE012, the data item 'Header.Country of destination code' and 'Goods Item.Country of destination code' the CodeList CL008 is applied. DG TAXUD regularly receives from some MS an IE012 with the country code of that MS declared, instead of 'RU' (destination is effectively Russia and the goods are transported under TIR procedure, but the trader entered an incorrect value in the IE015, that is forwarded by the NTA).

This mainly documentary change should be included in the RFC-List.29, even if the start of operations of NCTS/TIR-MD and NCTS/TIR-UA (or with any other Partner Country) is not defined precisely yet. This change does not interfere with the exact planning of the extension to Partner Countries as defined in the Business Case accepted on 31.01.2016 (i.e. by implementing this change, if MD or UA or other Partner Country is ready after 01.10.2017, the MS can be ready for Conformance Testing with RU or other Partner Countries - after ad hoc configuration - from 01.10.2017).

In the context of the CS/RD2 Change Management, it will be proposed to create a new (Technical) CodeList maintained in CS/RD2 that would be defined as 'MS Participating to NCTS/TIR-RU'. It would list the (currently) 14 MS sending the messages CD012B for Russia to DG TAXUD's RU queue. A similar CodeList could be created for 'MS Participating to NCTS/TIR-MD' listing the MS sending the messages CD012B for Moldova to DG TAXUD's MD queue, and other CodeLists for other Partner Countries in the future (with maybe different MS included in each CodeList). These CodeLists would be used by DG TAXUD's application to validate if the senders of the messages CD012B received in the RU-dedicated (or MD-dedicated, etc ..) queue(s) are effectively among the valid entries in the 'MS Participating to NCTS/TIR-RU'.

It could also be used by the NTA of the Participating MS, in order to have an automated check with validity date (if needed).

Proposed Changes (Functional)

No impact on the FTSS.

Proposed Changes (Technical)

1. The Main Document of DDNTA v19.40 will be changed as follows:

- The terms 'Russia' will be replaced by 'Partner Country' or 'Partner Countries'.
- The term 'NCTS TIR RU' will be replaced by 'NCTS/TIR-DATA'.
- The term 'SPEED' will be replaced by 'SPEED2'.
- The reference to 'DDSPEED v5.00' will be replaced by a reference to 'DDNTIR v6.00'
- The **Section III.I.2.9 - Scenarios for NCTS TIR DATA Pilot Project** will be modified as follows:

The transmission of information for **NCTS/TIR-DATA** Pilot Project will take place for NCTS movements which follows the DDNTA business scenarios. The following pre-conditions for the EU-**Partner Country** Pilot Project have to be met:

1. Member State of the Office of Departure is a partner having committed to the NCTS/TIR-DATA Pilot Project, **for one or multiple Partner Country(ies)**.
2. The Transit declaration (IE015) is of type "TIR" (Declaration Type (box 1) = "TIR").
3. The Destination Country declared in IE015 either at Header level or in at least one Goods



Item level is a Partner Country,

4. The movement has been released for Transit (IE001 sent to OoDes).

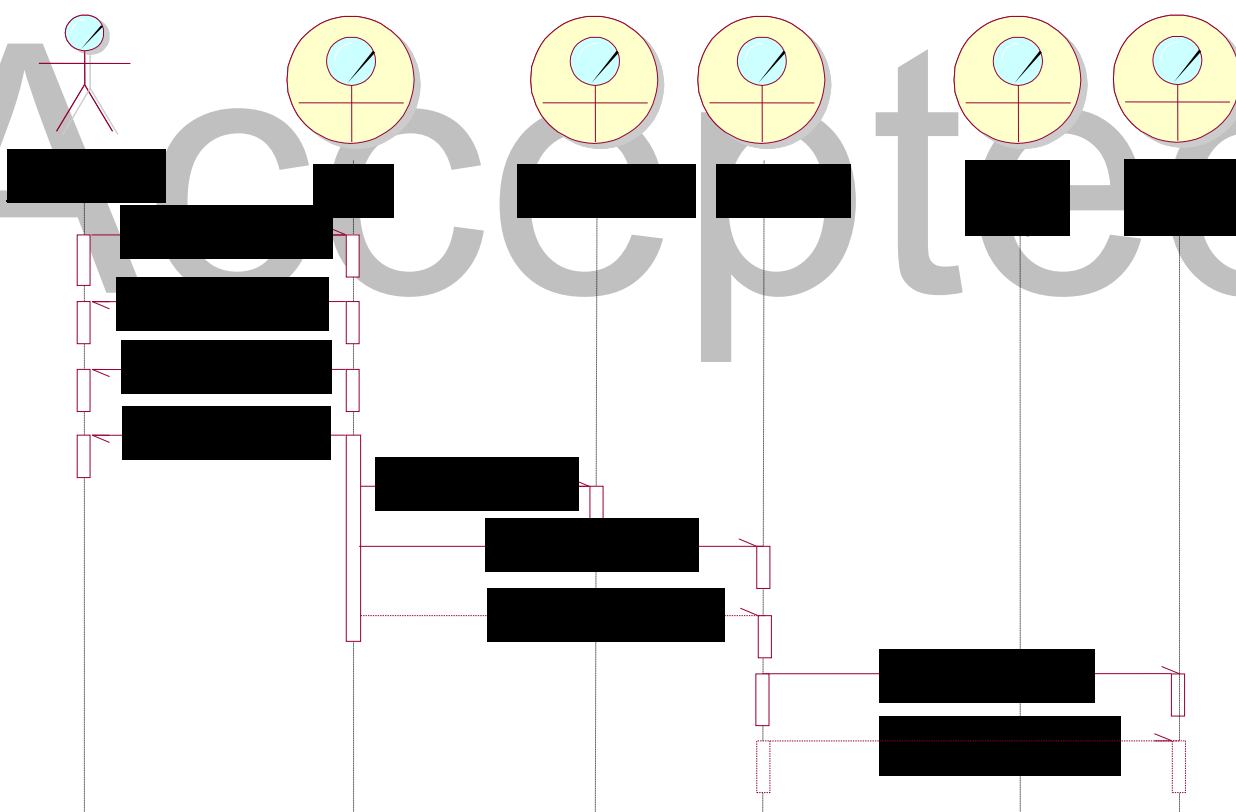
Figure 39 shows the core flow for normal procedure without any problems, with Destination Country in one Partner Country (e.g. Ukraine) for some Goods Items and in another Partner Country (e.g. Republic of Moldova) for some other Goods Items.

(...)

To inform the Office of Destination of this, the Office of Departure sends the AAR C_AAR_SND (IE001). Finally, the Office of Departure creates a copy of AAR as an advanced arrival notification for NCTS/TIR-DATA pilot project C_AAR_SPD (IE012) and sends it to EC SPEED² platform.

Upon the reception of advanced arrival notification for NCTS/TIR-DATA pilot project C_AAR_SPD (IE012), the EC SPEED² Platform converts it to the agreed TIR notification C_AAR_SRU (IES01) and sends it to the Partner Country.

(...)



**Figure 1: Core flow for NCTS TIR DATA pilot project Phase 1
(with Good Items for two different Partner Countries)**

Note: The Participating MS will send the same message IE012 to different CCN/CSI queues on the same DG TAXUD Gateway if more than one Partner Country is involved (one CCN/CSI queue per Partner Country, as defined in DDCOM).



2. The **Appendix Q2 of DDNTA v19.40** and the **Appendix Q2 of DDSPEED v5.00** will be changed as follows:

CD012B

---HEADER

Document/reference number	R	an..21		
Type of declaration	R	an..9	CL031	R909 R911 C140 TR0640
Country of destination code (...)	D	a2	CL008	

---GOODS ITEM

Item number	R	n..5		R005 R007
(...)				
Country of dispatch/export code	D	a2	CL008	C135
Country of destination code	D	a2	CL008	C140 TR0640

with **TR0640** If present according to other rules and conditions, the 'Country of Destination code' must be equal to the country code of one of the NCTS TIR DATA Partner Countries that should receive the IES01 based on this message, either at HEADER level, or for at least one of the multiple GOODS ITEMS.

3. The **Appendix X of DDNTA v19.40** and the **Appendix X of DDSPEED v5.00** will be changed as follows:

In the file CD012B.xsd the addition of TR0640 will be applied:

```
(...)
<xs:element name="CouOfDesCodHEA30" type="simple:CountryCodeType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
      <doc:description value="Country of destination code" />
      <doc:condition name="C140" />
      <doc:codeList name="CountryCodesFullList" type="business" />
      <doc:condition rule="TR0640" />
    </xs:documentation>
  </xs:annotation>
</xs:element>
(...)
<xs:element name="CouOfDesGDS59" type="simple:CountryCodeType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
      <doc:description value="Country of destination code" />

```



```
<doc:condition name="C140" />  
<doc:condition rule="TR0640" />  
<doc:codeList name="CountryCodesFullList" type="business" />  
</xs:documentation>  
</xs:annotation>  
</xs:element>  
(...)
```

4. The **DDCOM v14.10** will be modified to define in a generic way the queue that will be used by the EC SPEED2 Platform to receive the IE012 message from NTAs in the scope of the pilot project NCTS TIR RU and other similar pilot projects.

a) The **Section VIII.2.19.1 - Queue Name** will be modified as follows:

VIII.2.19.1 Queue Name

The names of the Queues are defined as shown in Table 31:



Environment	Queue Function	Queue Name
Normal operation	Core flow	EU2RU-CORE-QUE ¹² EU2XX-CORE-QUE ¹²
	Administration	ADMIN-QUE
	Reports	REPORT-QUE RU2EU-REPORT-QUE ¹³ XX2EU-REPORT-QUE ¹³
	Reference Data	CSRD-QUE
	Business Statistics	CSMIS-QUE ¹⁴
	Technical Statistics	STAT-QUE ¹⁵
	Audit	AUDIT-QUE ¹⁶
	Exchange of MRN information	CSMIS-MRN-QUE ¹⁷
Common Domain Testing ¹⁸	Core flow	CORE-axx-RCT-QUE EU2RU-CORE-xx-RCT-QUE EU2XX-CORE-xx-RCT-QUE EU2RU-CORE-RIT-QUE EU2XX-CORE-RIT-QUE
	Administration	ADMIN-axx-RCT-QUE
	Reports	REPORT-axx-RCT-QUE RU2EU-REPORT-xx-RCT-QUE XX2EU-REPORT-xx-RCT-QUE RU2EU-REPORT-RIT-QUE XX2EU-REPORT-RIT-QUE
	(...)	(...)

With the footnotes that will be modified as follows:



¹² These queues will be used by the EC SPEED² Platform to receive the IE012 messages from NTAs for the different NCTS TIR DATA Partners Countries. XX will be replaced by the ISO-3166 code of each NCTS TIR DATA Partner Country. For example, in the scope of the pilot project NCTS TIR RU, the queue RU2EU-REPORT-QUE will be used for sending messages to Russia.

¹³ These queues will be used by the EC SPEED² Platform to receive CCN/CSI Reports for IE907 message. The IE907 message is sent in the scope of the pilot project NCTS TIR DATARU in response to an invalid IE012 message.

(...)

¹⁸ The Common Domain Testing environment at the Taxation and Customs Union DG Gateway is used for several purposes:

- NCTS Conformance Testing using the TTA or STTA and ECS Conformance Testing using the TTA or STTA (CORE-axx-RCT-QUE, ADMIN-axx-RCT-QUE, and REPORT-axx-RCT-QUE) The exact configuration of the queues and their name used for Conformance Testing will be communicated to the NAs;
- **SPEED NCTS TIR DATA** Conformance Testing using the SSTA (EU2RUXX-CORE-xx-RCT-QUE, RUXX2EU-REPORT-xx-RCT-QUE). The exact configuration of the queues and their name used for CT will be communicated to the EU MS on the CIRCABC Project web site;
- **International Testing** will be performed using the EU2XXRU-CORE-RIT-QUE, RUXX2EU-REPORT-RIT-QUE queues, which shall be used for the communication with the EU MS;
- CS/RD Conformance environment is used by CS/RD to perform all exchanges with the CS/RD Conformance Environment. These queues are shown in Table 31;
- CSMIS-RCT-QUEUE, AUDIT-RCT-QUE and STAT-RCT-QUE have been defined but are not yet foreseen to be used;
- ATIS-axx-RCT-QUE has been defined in order to be used in the NCTS Conformance Testing

And the notes (under Table 31) will be modified as follows:

- In the above table, “xx” is a value 01 – YY creating a string, which indicates the different queues for use by SSTA in Common Domain Testing or National Testing environment (e.g. “EU2RU-CORE-01-RCT-QUE”). Currently, the SSTA will play the role of EC SPEED² Platform for the Common Domain Testing with the Member States of EU and the role of Member State of EU for the National testing environment.
- In the above table, “XX” is the ISO-3166 Country Code creating a string, which indicates the different queues for use with NCTS TIR DATA Partner Country (e.g. “EU2MD-CORE-01-RCT-QUE”).

b) The **Section VIII.4.12 - ccnUserProfileId** will also be modified to replace

EU2RU-CORE-(...) by EU2XX-CORE-(...)

RU2EU-REPORT-(...) by XX2EU-REPORT-(...)

with a footnote explaining that:

“XX” being the ISO-3166 Country Code of the various NCTS TIR DATA Partner Countries.

5. The **DDSPED v5.00** will be renamed and become **DDNTIR v6.00** (Design Document for NCTS TIR DATA applications) and it will be rejuvenated to take into account the new terminology (replacing 'NCTS TIR RU' by 'NCTS TIR DATA', using 'Partner Country') and to become as generic as possible, with an extension of the Section IX dedicated to the communication protocols (not only MQ but also Web Services).

The above changes will affect the **DDCOM v14.10**, **DDNTA v19.40** and **DDSPED v5.00**.



Proposed Changes (BPM Level1-Level4)

N/A

Proposed Changes (other CIs with possible impact on National applications)

SPEED2's NCTS-TIR-RU flow	The CD012B.xsd applied on this flow will be adapted accordingly, to avoid sending IES01 to 'RU' for movement having destination only another Partner Country.
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Related Changes in COM applications (For information only)

CTP/NCTS, STTA, TTA	The datasets will be extended, to be able to test more than one Partner Country. Changes will be applied where needed, to remain as generic as possible.
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Risks

Risk of implementing (incl. Risk Level)	Low risk. This RFC-Proposal covers mainly a documentary upgrade of DDNTA (Main Document) for the 'SPEED' part, and introduces a basic control on the Country of Destination. The only (low) risk, is related to regression during the production of the new build by the National Project Teams or at DG TAXUD (in SPEED2).
Mitigation actions	CT Testing will be offered to MS interested in testing their new application.
Impact of not implementing	Medium. There will be no flexibility to extend the NCTS TIR DATA exchange to other countries than the Russian FCS. A new cycle of production of DDNTA will be required, with extra resources needed (costs and workload).

Document History

Version	Status	Date	Comment
v0.01	Draft by CUSTDEV3	19/02/2016	Sent to DG TAXUD for information.
v0.02	Draft by CUSTDEV3	06/05/2016	Sent to DG TAXUD for information.
v0.03	Update by DG TAXUD/A5	26/07/2016	Corrections in various sections. Ready for CAB@TAXUD.
v0.10	NPM Review	01/08/2016	Sent for NPM Review.
v0.11	Update by DG TAXUD/A5	23/08/2016	RFC-Proposal made more generic.
v0.20	NPM Review #2	01/08/2016	Sent for NPM Review.
v1.00	Accepted	28/09/2016	One comment to be implemented (see details in section 'Information about the NPM Review')

Contact information

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Review information #1

- 1. Review by NPMs from 02/08/2016 until 02/09/2016 COB. >>>> STOPPED**
- File also published on CIRCABC in the interest group « e-Customs IT aspects »:
[Library](#) > [01 Common NCTS ECS ICS](#) > [04 TECHNICAL SPECS](#) > [04 RFCs](#) > [11 RFC Proposals](#)
- Comments to be sent to: support@itsmtaxud.europa.eu with cc to taxud.e-customs.technical-specs@ec.europa.eu.

Review information #2

- 1. NEW Review by NPMs from 23/08/2016 until 15/09/2016 COB.**
- File also published on CIRCABC in the interest group « e-Customs IT aspects »:
[Library](#) > [01 Common NCTS ECS ICS](#) > [04 TECHNICAL SPECS](#) > [04 RFCs](#) > [11 RFC Proposals](#)



3. Comments to be sent to: support@itsmtaxud.europa.eu with cc to taxud.e-customs.technical-specs@ec.europa.eu.

Information about the NPM Review

Comments/responses received from NA-CH, NA-DE, NA-FI, NA-IT, NA-NL, NA-PT and NA-SE.

One comment 'To Be Implemented' (from NA-DE) - [See change applied in track change on page 2](#).

Details in the embedded PDF file:



APO on (543)

APO published on [CIRCABC](#) on 21/09/2016 and in SYNERGIA (cf. IM163292).

ECCG Decision

Formal decision pending: expected on 5-6/10/2016.

Accepted