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# **Title: Corrigendum to Version 2.1.1 of the ITSO Specification**

Specification Part(s) affected by this note: TS 1000-5, 1000-6 and 1000-10 (Version 2.1.1)

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## **ITSO**

### **Corrigendum 1 to Version 2.1.1**

This Corrigendum notice identifies the corrections to the Parts as noted below:

Corrected Versions of the Specification may be identified by the indicator Cor 1 which can be found on the title page under the ISBN Number.

#### **Part 5**

In Part 5 Clause A.8 (refer to TN0059) the second row of the table is incorrect and should read as follows:

warrant (1),

[Note that in this table free-travel is enumerated as (14).]

#### **Part 6**

In Part 6, Table 135 in Clause 8.3, the following instruction from TN0026 had been missed:

*Amend Table 135 – IPE TYP 14, Format Version 1, to add the following row after the row containing IDFlags. Modify the element numbers from previous number 13 onwards – 13 becomes 14, 14, becomes 15, and so on.*

13	IPE	RoundingFlag sEnable	FLAG	Always	set to value in embodiment spec	2	1.00	value
----	-----	-------------------------	------	--------	------------------------------------	---	------	-------

This is now corrected.

In Part 6, some of the changes from TN026 were applied and some were not. The missing changes, which are now incorporated by this Corrigendum, are as follows:

#### **Clause 8.3 (embodiment specifications)**

*The ArrivalBandStart, ArrivalBandEnd, & ArrivalTime elements are all currently defined as "set in the embodiment specification". This is not correct because they will be determined when the IPE (Ticket) is created. For all instances of these elements in this clause 8.3 change as follows:*

- Content generation rule, change to: "determined upon IPE creation";



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- Rule code, change to: 1;
- List data size, change to: 0;
- List data, change to: -----.

The *TYP2ValueFlags*, *Threshold*, *TopUpAmount*, *MaximumNegativeAmount*, *TYP22Flags*, *TYP23Flags*, *TimeLimit*, & *TYP23ValueFlags* elements should all have a “set at the time of creation” option in addition to the “set in the embodiment specification” current definition. For all instances of these elements in this clause 8.3 change as follows:

- Content generation rule, change to: “set to value in embodiment spec or set to value determined upon creation”;
- Rule code, change to: 1 or 2;
- List data size,
  - o *TYP2ValueFlags*, *TYP23ValueFlags*, *TYP23Flags* & *TimeLimit* elements - change to: 0 or 1;
  - o *Threshold*, *TopUpAmount*, *MaximumNegativeAmount*, & *TYP22Flags* elements – change to: 0 or 2;
- List data, change to: null or value.”

The effect of the above should have been to amend Table 131 and Table 140, in Clause 8.3 of Part 6.

(Note that the required changes are shown in blue in the table below)

Table 131 changes:



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LD	Information only	Information only	Information only	Information only	Information only	LD	LD	LD
Element Number	Target IPE Group	Target IPE ITSO Name	Target IPE Data Type	Included in target IPE?	Content generation rule	Rule Code	List Data Size	List Data
					<i>Rows omitted for clarity</i>			
13	IPE	Threshold	VALI	Always	set to value in embodiment spec or set to value determined upon creation	1 or 2	0 or <del>2-00</del>	null or value
14	IPE	TopUpAmount	VALI	Always	set to value in embodiment spec or set to value determined upon creation	1 or 2	0 or <del>2-00</del>	null or value
15	IPE	MaxValue 2	VALI	Always	set to value in embodiment spec or set to value determined upon creation	1 or 2	0 or 2	null or value
16	IPE	Maximum NegativeAmount	VALI	Always	set to value in embodiment spec or set to value determined upon creation	1 or 2	0 or <del>2-00</del>	null or value
					<i>Rows omitted for clarity</i>			
42	V	TYP2ValueFlags	BMP	Always	set to value in embodiment spec or set to value determined upon creation	1 or 2	<del>4-000</del> or 1	null or value
					<i>Rows omitted for clarity</i>			



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Table 140 changes:

LD	Information only	Information only	Information only	Information only	Information only	LD	LD	LD
Element Number	Target IPE Group	Target IPE ITSO Name	Target IPE Data Type	Included in target IPE?	Content generation rule	Rule Code	List Data Size	List Data
					<i>Rows omitted for clarity</i>			
48	IPE EV	ArrivalBandStart	TIME	according to bit map	determined upon IPE creation set to value in <del>embedment spec</del>	12	<del>0200</del>	----- value
49	IPE EV	RFU	RFU	according to bit map	set to zero (0)	4	0	-----
50	IPE EV	ArrivalBandEnd	TIME	according to bit map	determined upon IPE creation set to value in <del>embedment spec</del>	12	<del>0200</del>	----- value
					<i>Rows omitted for clarity</i>			
62	IPE EV	ArrivalTime	TIME	according to bit map	determined upon IPE creation set to value in <del>embedment spec</del>	12	<del>0200</del>	----- value
					<i>Rows omitted for clarity</i>			

## **Part 10**

In Part 10 most of the table numbers from table number 63 onwards were corrupted as a result of word trying to automatically update them but doing it incorrectly for some reason during the conversion process from Word into PDF.

Data



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~END of Corrigendum~