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Valenciennes, 01st July 2020

**TAF TSI Compliance Results – CEF Grant Agreement INEA/CEF/TRAN/M2015/1138222**

To whom it may concern,

I confirm and certify herewith that the TAF TSI functionalities implemented by the company Železničná spoločnosť Cargo Slovakia (Slovakia) within the Action *“Implementation of the technical interoperability for TAF TSI subsystem at ZSSK CARGO”*, co-financed by the Connecting Europe Facility Fund, are compliant with the appropriate provisions of the TAF-TSI Regulation No. 1305/2014 and its Technical Documents.

Details of the Action:

|  |  |
| --- | --- |
| **Name of the Action:** | Implementation of the technical interoperability for TAF TSI subsystem at ZSSK CARGO |
| **No. of the Action:** | 2015-SK-TM-0080-W |
| **No. of the Grant Agreement:** | INEA/CEF/TRAN/M2015/1138222 |
| **Duration of the Action:** | 2017-2019 |
| **Verified Activity:** | TAF TSI Implementation – Phase 5 |
| **Verified TAF TSI Functionalities:** | Interrupting train movement; Train preparation; Consignment/ wagon ETA/ETI/ETH |

Table 1 Details of the Action

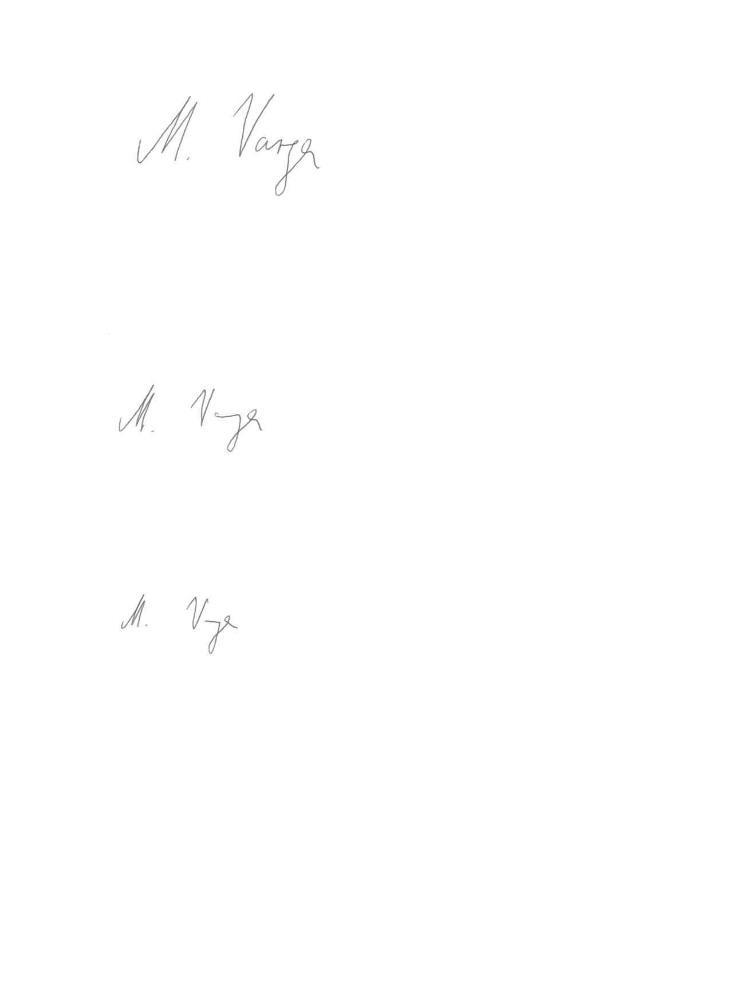
The results of the verification process are concluded as follows:

Železničná spoločnosť Cargo Slovakia has sent to the European Union Agency for Railway on 28 June 2020 following attached deliverable datasets for verification:

|  |  |  |
| --- | --- | --- |
| **No.** | **TAF TSI function** | **File name** |
| 1) | Interrupting train movement | TrainRunningInterruptionMessage.xml |
| 2) | Train preparation | TrainReadyMessage.xml |
| 3) | Consignment/ wagon ETA/ETI/ETH | 2156\_AlertMessage\_5001\_sample\_001.xml;  2156\_WagonETI\_ETA\_Message\_5006\_sample\_001.xml;  2156\_WagonExceptionMessage\_5007\_sample\_001.xml;  2156\_WagonExceptionReasonMessage\_5008\_sample\_001.xml. |

Table 2 Datasets for verification

1. The TAF TSI function „Interrupting train movement“ XML messages Železničná spoločnosť Cargo Slovakia deploys in its IT system called „ISP-Information system for operation support“ (CEF Project), mentioned in Table 2, is compliant against the official TAF data catalogue version baseline 2.3.0 (checked with Altova XML Spy 2019 (x64) in June 2020) – see <https://www.era.europa.eu/content/technical-documents-baseline-230>.
2. The TAF TSI function „Train preparation“ XML messages Železničná spoločnosť Cargo Slovakia deploys in its IT system called „ISP-Information system for operation support“ (CEF Project), mentioned in Table 2, are compliant against the official TAF data catalogue version baseline 2.3.0 (checked with Altova XML Spy 2019 (x64) in June 2020) – see <https://www.era.europa.eu/content/technical-documents-baseline-230>.
3. The TAF TSI function „Consignment/wagon ETA/ETI/ETH“ XML messages Železničná spoločnosť Cargo Slovakia deploys in its IT system called „VDS – Train dispatching system“ (CEF Project), mentioned in Table 2, is compliant against the official TAF data catalogue version baseline 2.3.0 (checked with Altova XML Spy 2019 (x64) in June 2020) – see <https://www.era.europa.eu/content/technical-documents-baseline-230>.



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# ANNEX: Messages checked for compliance

**TrainRunningInterruptionMessage.xml**

<TrainRunningInterruptionMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.3" xmlns:ns="http://taf-jsg.info/schemes" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.3 file:/// ... TAF%20v2\_3\_0/taf\_cat\_complete.xsd">

<MessageHeader>

<MessageReference>

<MessageType>4006</MessageType>

<MessageTypeVersion>2.2.3</MessageTypeVersion>

<MessageIdentifier>6fe8dd3a-54e-89g-b021-88fe2a4a2147</MessageIdentifier>

<MessageDateTime>2020-04-28T09:26:14+02:00</MessageDateTime>

</MessageReference>

<Sender>0027</Sender>

<Recipient>9999</Recipient>

</MessageHeader>

<MessageStatus>1</MessageStatus>

<TrainOperationalIdentification>

<TransportOperationalIdentifiers>

<ObjectType>TR</ObjectType>

<Company>0027</Company>

<Core>----56388870</Core>

<Variant>00</Variant>

<TimetableYear>2020</TimetableYear>

<StartDate>2020-04-28</StartDate>

</TransportOperationalIdentifiers>

</TrainOperationalIdentification>

<OperationalTrainNumberIdentifier>

<OperationalTrainNumber>388870</OperationalTrainNumber>

</OperationalTrainNumberIdentifier>

<ResponsibleRU>0027</ResponsibleRU>

<InterruptionPoint>

<Location>

<CountryCodeISO>KR</CountryCodeISO>

<LocationPrimaryCode>13199</LocationPrimaryCode>

<PrimaryLocationName>A Marshallinng Yard</PrimaryLocationName>

<LocationSubsidiaryIdentification>

<LocationSubsidiaryCode n1:LocationSubsidiaryTypeCode="1" xmlns:n1="http://www.era.europa.eu/schemes/TAFTSI/2.3">10</LocationSubsidiaryCode>

<AllocationCompany>0027</AllocationCompany>

</LocationSubsidiaryIdentification>

</Location>

<Interruption>

<InterruptionDateTime>2020-04-28T09:24:07+02:00</InterruptionDateTime>

</Interruption>

<InterruptionDuration>

<EarliestEndDateTime>2020-04-28T10:00:00+02:00</EarliestEndDateTime>

<LatestEndDateTime>2020-04-28T10:10:00+02:00</LatestEndDateTime>

</InterruptionDuration>

</InterruptionPoint>

</TrainRunningInterruptionMessage>

**TrainReadyMessage.xml**

<TrainReadyMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.3 file:/// ... TAF%20v2\_3\_0/taf\_cat\_complete.xsd">

<MessageHeader>

<MessageReference>

<MessageType>3006</MessageType>

<MessageTypeVersion>2.2.3</MessageTypeVersion>

<MessageIdentifier>b6fb46ab-70e6-4706-9cf0-2ffea77dcc6f</MessageIdentifier>

<MessageDateTime>2020-04-28T10:40:18+02:00</MessageDateTime>

</MessageReference>

<SenderReference>b6fb46ab-70e6-4706-7e87r</SenderReference>

<Sender>0031</Sender>

<Recipient>9999</Recipient>

</MessageHeader>

<MessageStatus>1</MessageStatus>

<TransportOperationalIdentifiers>

<ObjectType>TR</ObjectType>

<Company>0031</Company>

<Core>----56188703</Core>

<Variant>00</Variant>

<TimetableYear>2020</TimetableYear>

<StartDate>2020-04-28</StartDate>

</TransportOperationalIdentifiers>

<OperationalTrainNumberIdentifier>

<OperationalTrainNumber>188703</OperationalTrainNumber>

</OperationalTrainNumberIdentifier>

<ResponsibleRU>2156</ResponsibleRU>

<TrainContactDetails>TRS; +4895874954</TrainContactDetails>

<TrainLocation>

<CountryCodeISO>BR</CountryCodeISO>

<LocationPrimaryCode>27716</LocationPrimaryCode>

<PrimaryLocationName>B City</PrimaryLocationName>

</TrainLocation>

<TrainReadyStatus>

<TrainReady>1</TrainReady>

</TrainReadyStatus>

<TrainStartTime>2020-04-28T10:41:00+02:00</TrainStartTime>

<TrainReadyTime>2020-04-28T10:41:00+02:00</TrainReadyTime>

</TrainReadyMessage>

**2156\_AlertMessage\_5001\_sample\_001.xml**

<?xml version="1.0" encoding="UTF-8"?>

<sch:AlertMessage xmlns:sch="http://www.era.europa.eu/schemes/TAFTSI/2.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.3 file:/// ... TAF%20v2\_3\_0/taf\_cat\_complete.xsd">

<sch:MessageHeader>

<sch:MessageReference>

<sch:MessageType>5001</sch:MessageType>

<sch:MessageTypeVersion>2.2.3</sch:MessageTypeVersion>

<sch:MessageIdentifier>220</sch:MessageIdentifier>

<sch:MessageDateTime>2020-05-26T12:49:46.205+02:00</sch:MessageDateTime>

</sch:MessageReference>

<sch:SenderReference>202008984946201</sch:SenderReference>

<sch:Sender>2156</sch:Sender>

<sch:Recipient>2154</sch:Recipient>

</sch:MessageHeader>

<sch:CommitmentETA>2020-05-27T00:28:00.000+02:00</sch:CommitmentETA>

<sch:ActualETA>2020-05-27T19:13:00.000+02:00</sch:ActualETA>

<sch:WagonNumberFreight>315427709219</sch:WagonNumberFreight>

</sch:AlertMessage>

**2156\_WagonETI\_ETA\_Message\_5006\_sample\_001.xml**

<?xml version="1.0" encoding="UTF-8"?>

<sch:WagonETI\_ETA\_Message xmlns:sch="http://www.era.europa.eu/schemes/TAFTSI/2.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.3 file:/// ... TAF%20v2\_3\_0/taf\_cat\_complete.xsd">

<sch:MessageHeader>

<sch:MessageReference>

<sch:MessageType>5006</sch:MessageType>

<sch:MessageTypeVersion>2.2.3</sch:MessageTypeVersion>

<sch:MessageIdentifier>72</sch:MessageIdentifier>

<sch:MessageDateTime>2020-05-27T11:57:06.114+02:00</sch:MessageDateTime>

</sch:MessageReference>

<sch:SenderReference>2020052715891</sch:SenderReference>

<sch:Sender>0023</sch:Sender>

<sch:Recipient>0031</sch:Recipient>

</sch:MessageHeader>

<sch:RelatedReference>

<sch:RelatedType>5006</sch:RelatedType>

<sch:RelatedIdentifier>20259447115706100</sch:RelatedIdentifier>

<sch:RelatedSenderReference>29856527115706105</sch:RelatedSenderReference>

<sch:RelatedMessageDateTime>2020-05-27T11:50:00.000+02:00</sch:RelatedMessageDateTime>

</sch:RelatedReference>

<sch:WagonInformation>

<sch:WagonNumberFreight>122278301166</sch:WagonNumberFreight>

<sch:LoadingStatus>1</sch:LoadingStatus>

<sch:TotalWeight>21620</sch:TotalWeight>

<sch:GoodsInWagon>

<sch:NHM\_Code>270112</sch:NHM\_Code>

<sch:GrossWeight>24000</sch:GrossWeight>

</sch:GoodsInWagon>

</sch:WagonInformation>

<sch:ArrivalInterchangeReport>

<sch:Source>Estimated time of arrival</sch:Source>

<sch:Location>

<sch:CountryCodeISO>GR</sch:CountryCodeISO>

<sch:LocationPrimaryCode>19900</sch:LocationPrimaryCode>

</sch:Location>

<sch:ArrivalTimeAtLocation>2020-05-27T19:13:00.000+02:00</sch:ArrivalTimeAtLocation>

<sch:TrainID>

<sch:ObjectType>TR</sch:ObjectType>

<sch:Company>0023</sch:Company>

<sch:Core>----31081210</sch:Core>

<sch:Variant>00</sch:Variant>

<sch:TimetableYear>2020</sch:TimetableYear>

<sch:StartDate>2020-05-27+02:00</sch:StartDate>

</sch:TrainID>

</sch:ArrivalInterchangeReport>

</sch:WagonETI\_ETA\_Message>

**2156\_WagonExceptionMessage\_5007\_sample\_001.xml**

<?xml version="1.0" encoding="UTF-8"?>

<sch:WagonExceptionMessage xmlns:sch="http://www.era.europa.eu/schemes/TAFTSI/2.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.3 file:/// ... TAF%20v2\_3\_0/taf\_cat\_complete.xsd">

<sch:MessageHeader>

<sch:MessageReference>

<sch:MessageType>5007</sch:MessageType>

<sch:MessageTypeVersion>2.2.3</sch:MessageTypeVersion>

<sch:MessageIdentifier>20254890600026</sch:MessageIdentifier>

<sch:MessageDateTime>2020-05-25T08:45:12.356+02:00</sch:MessageDateTime>

</sch:MessageReference>

<sch:SenderReference>2021987250945123456</sch:SenderReference>

<sch:Sender>0021</sch:Sender>

<sch:Recipient>0029</sch:Recipient>

</sch:MessageHeader>

<sch:WagonInformation>

<sch:WagonNumberFreight>112915171127</sch:WagonNumberFreight>

<sch:LoadingStatus>1</sch:LoadingStatus>

<sch:TotalWeight>43000</sch:TotalWeight>

<sch:GoodsInWagon>

<sch:NHM\_Code>994100</sch:NHM\_Code>

<sch:GrossWeight>14500</sch:GrossWeight>

<sch:ContainerNumber>223459</sch:ContainerNumber>

<sch:GoodsInContainer>

<sch:NHM\_Code>930690</sch:NHM\_Code>

<sch:GrossWeight>12000</sch:GrossWeight>

</sch:GoodsInContainer>

</sch:GoodsInWagon>

<sch:GoodsInWagon>

<sch:NHM\_Code>994100</sch:NHM\_Code>

<sch:GrossWeight>14500</sch:GrossWeight>

<sch:ContainerNumber>873458</sch:ContainerNumber>

<sch:GoodsInContainer>

<sch:NHM\_Code>930690</sch:NHM\_Code>

<sch:GrossWeight>12000</sch:GrossWeight>

</sch:GoodsInContainer>

</sch:GoodsInWagon>

</sch:WagonInformation>

<sch:WagonExceptionReport>

<sch:ExceptionPoint>

<sch:Location>

<sch:CountryCodeISO>TJ</sch:CountryCodeISO>

<sch:LocationPrimaryCode>13741</sch:LocationPrimaryCode>

</sch:Location>

<sch:ResponsibleRU>0021</sch:ResponsibleRU>

<sch:WagonLocationStatus>00</sch:WagonLocationStatus>

<sch:ScheduledTimeAtLocation>2020-05-25T08:00:00.000+01:00</sch:ScheduledTimeAtLocation>

<sch:ExceptionTimeAtLocation>2020-05-25T08:00:00.000+01:00</sch:ExceptionTimeAtLocation>

</sch:ExceptionPoint>

<sch:ExceptionReason>

<sch:WagonInterruptionReason>wagon damaged</sch:WagonInterruptionReason>

<sch:InterruptionDescription>Poškodená poloos</sch:InterruptionDescription>

<sch:InterruptionType>1</sch:InterruptionType>

</sch:ExceptionReason>

</sch:WagonExceptionReport>

<sch:DangerousGoodsIndication>

<sch:HazardIdentificationNumber>1.1D</sch:HazardIdentificationNumber>

<sch:UN\_Number>0043</sch:UN\_Number>

<sch:DangerLabel>1</sch:DangerLabel>

<sch:RID\_Class>1</sch:RID\_Class>

<sch:LimitedQuantityIndicator>false</sch:LimitedQuantityIndicator>

</sch:DangerousGoodsIndication>

</sch:WagonExceptionMessage>

**2156\_WagonExceptionReasonMessage\_5008\_sample\_001.xml**

<?xml version="1.0" encoding="UTF-8"?>

<sch:WagonExceptionMessage xmlns:sch="http://www.era.europa.eu/schemes/TAFTSI/2.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.3 file:/// ... TAF%20v2\_3\_0/taf\_cat\_complete.xsd">

<sch:MessageHeader>

<sch:MessageReference>

<sch:MessageType>5008</sch:MessageType>

<sch:MessageTypeVersion>2.2.3</sch:MessageTypeVersion>

<sch:MessageIdentifier>202005250600027</sch:MessageIdentifier>

<sch:MessageDateTime>2020-05-25T09:45:12.356+02:00</sch:MessageDateTime>

</sch:MessageReference>

<sch:SenderReference>114505250945123457</sch:SenderReference>

<sch:Sender>0022</sch:Sender>

<sch:Recipient>0035</sch:Recipient>

</sch:MessageHeader>

<sch:WagonInformation>

<sch:WagonNumberFreight>174015183127</sch:WagonNumberFreight>

<sch:LoadingStatus>1</sch:LoadingStatus>

<sch:TotalWeight>43000</sch:TotalWeight>

<sch:GoodsInWagon>

<sch:NHM\_Code>994100</sch:NHM\_Code>

<sch:GrossWeight>14500</sch:GrossWeight>

<sch:ContainerNumber>653459</sch:ContainerNumber>

<sch:GoodsInContainer>

<sch:NHM\_Code>930690</sch:NHM\_Code>

<sch:GrossWeight>12000</sch:GrossWeight>

</sch:GoodsInContainer>

</sch:GoodsInWagon>

<sch:GoodsInWagon>

<sch:NHM\_Code>994100</sch:NHM\_Code>

<sch:GrossWeight>14500</sch:GrossWeight>

<sch:ContainerNumber>893458</sch:ContainerNumber>

<sch:GoodsInContainer>

<sch:NHM\_Code>930690</sch:NHM\_Code>

<sch:GrossWeight>12000</sch:GrossWeight>

</sch:GoodsInContainer>

</sch:GoodsInWagon>

</sch:WagonInformation>

<sch:WagonExceptionReport>

<sch:ExceptionPoint>

<sch:Location>

<sch:CountryCodeISO>AR</sch:CountryCodeISO>

<sch:LocationPrimaryCode>98765</sch:LocationPrimaryCode>

</sch:Location>

<sch:ResponsibleRU>0021</sch:ResponsibleRU>

<sch:WagonLocationStatus>00</sch:WagonLocationStatus>

<sch:ScheduledTimeAtLocation>2020-05-25T10:00:00.000+01:00</sch:ScheduledTimeAtLocation>

<sch:ExceptionTimeAtLocation>2020-05-25T10:20:00.000+01:00</sch:ExceptionTimeAtLocation>

</sch:ExceptionPoint>

<sch:ExceptionReason>

<sch:WagonInterruptionReason>wagon damaged</sch:WagonInterruptionReason>

<sch:InterruptionDescription>Poškodená poloos</sch:InterruptionDescription>

<sch:InterruptionType>1</sch:InterruptionType>

</sch:ExceptionReason>

</sch:WagonExceptionReport>

<sch:DangerousGoodsIndication>

<sch:HazardIdentificationNumber>1.1D</sch:HazardIdentificationNumber>

<sch:UN\_Number>0043</sch:UN\_Number>

<sch:DangerLabel>1</sch:DangerLabel>

<sch:RID\_Class>1</sch:RID\_Class>

<sch:LimitedQuantityIndicator>false</sch:LimitedQuantityIndicator>

</sch:DangerousGoodsIndication>

</sch:WagonExceptionMessage>