

## Annex-1.11 Abbreviations and Definitions

### a) Abbreviations

The abbreviations used in TCDD Network Statement are given below:

Abbreviation	Explanation
EU	European Union
ADR	European agreement concerning the international transport of Dangerous Goods by Road
AGC	European Agreement on Main International Railway Lines
AGTC	European Agreement on Important International Combined Transport Lines and Related Installations
ATC	Automatic Train Control
ATP	Automatic Train Protection
ATS	Automatic Train Stop
CIM	Uniform Rules concerning the Contract of International Carriage of Goods by Rail
CIV	Uniform Rules concerning the Contract of International Carriage of Passengers by Rail
cm	Centimetre
CMO	Middle East Railway Administrations Conference (Conférence des Réseaux du Moyen-Orient)
COTIF	The Convention concerning International Carriage by Rail
CUU	Uniform Contract of Use for Freight Wagons
RU	Railway Undertaking
ERTMS	European Rail Traffic Management System
ETCS	European Train Control System
GSM	Global System for Mobile Communication
GSMR	Global System for Mobile Communications – Railway
GTC	General Terms and Conditions for Use of Railway Infrastructure
FTE	Forum Train Europe
Hz	Hertz
ESE	Economic State Enterprise
İZBAN	İzmir Suburban System
DL	Decree Law
PEI	Public Economic Institution

PEE	Public Economic Enterprise
km	Kilometre
km/h	Kilometre/hour
<b>Abbreviation</b>	<b>Explanation</b>
kV	Kilovolt
CMS	Capacity Management System
m	Metre
mm	Millimetre
VQA	Vocational Qualifications Authority
OTIF	Intergovernmental Organisation for International Carriage by Rail
ATIS	Automatic Train Inspection Station
HCP	High Council for Privatisation
RFID TAG	Radio Frequency Identification Tag
RIC	Regulation for the Reciprocal Use of Carriages and Vans in International Traffic
RID	The Regulation concerning the International Carriage of Dangerous Goods by Rail
RIV	Regulation for the Reciprocal Use of Wagons in International Traffic
RNE	Rail Net Europe
RZD	Russian Railways
SCIC-NRT	Special Conditions of International Carriage
SET	South Eastern Tariff
TCDD	Turkish State Railways
TMO	Turkey Maritime Organization
TMS	Train Monitoring System
TEN	Trans-European Network
TEN-T	Trans-European Transport Network
TER	Trans-European Railway
TMNF	Train Movement Notification Form
RPTT	Regulation on Preparation and Traffic of Trains
TOS	Traffic Operation System
MTCCT	Management of Traffic from Central with Communication Tools
TRACECA	Transport Corridor Europe-Caucasus-Asia
TSI	Technical Specifications for Interoperability

TMS	Traffic Management with Signals
TSR	General Directorate of Transportation Services Regulation
<b>Abbreviation</b>	<b>Explanation</b>
UIC	International Union of Railways
YHT	High Speed Train

## b) Definitions

The definitions used in TCDD Network Statement are given below:

Abbreviation	Explanation
Emergency Response Team	The team that intervenes in case of any derailment and accident, puts the derailed vehicles on the rail, removes the debris and reopens the line to traffic
Alternative route	Route between the same origin and same destination, provided that both routes may be substituted for the railway undertaking to operate these for passenger or freight transport service concerned.
Tariff for infrastructure access fee	Schedule containing infrastructure access fees that railway infrastructure managers will receive from railway undertakings in return for the provision of railway transportation service
Infrastructure capacity allocation	Making a specified railway infrastructure capacity available to a railway undertaking for a specified period of time by an access contract by a railway infrastructure manager
Maximum speed	The highest allowable speed of a train between two stations, siding or kilometres
Ministry	Ministry of Transport and Infrastructure
Maintenance train	Trains operated for line construction, maintenance, repair and control
Suburban services	Services provided by public legal entities and companies that provide passenger transportation services by safely operating subway, light rail and similar systems between a city centre or urbanized region, province and surrounding regions that are connected to the national railway infrastructure network.
Parking	Waiting of a rolling stock for 30 days or less
Parking Line	The line determined by infrastructure manager to keep the rolling stock outside the stabling places.
Block	In the regions where the electric signal system is applied, the line section on which only the operation of a single railway vehicle as a train, locomotive, machine and train is allowed at the same time and where these vehicle journeys are managed by signal notifications, the boundaries of which are determined by controlled or automatic signals

Abbreviation	Explanation
Gross ton-km	A gross tonne (total weight of the train including the wagons and locomotive) represents one kilometre travel.
Crossing	Crossing of trains coming from separate or opposite directions on single lines at a station or siding
Traction power	Traction and transport power of locomotives and train sets for tractive vehicles
Serious accident	The accidents resulting in the death of at least one person or serious injury to five or more people as a result of a train collision, derailment or similar incident, or causing serious damage of at least 6 million TL to vehicles, the track, other facilities and/or the environment as a result of inspection and similar accidents that clearly affect safety management or safety rules.
Collision	the collision of the train to another train, shunting units, stationary wagon on the station or main road or other railway vehicles an obstacle within the gauge; railway vehicles to each other; the shunting units with each other or with the wagon
Tractive vehicle	Any vehicle capable of moving on the rail with its own power
Hauled vehicle	Railway vehicle used in all kinds of freight and passenger transport that is not capable of moving on the railway by its own power
Framework agreement	A legally binding agreement concluded between a railway undertaking and a r infrastructure manager in accordance with public or private law, which determines the rights and obligations of the contracting parties, the fees to be applied for a longer period than the allocation period specified in the network statement
Multi track line	Line with more than one main line
Bottleneck	Line section that cannot meet infrastructure capacity needs, even if various requirements are coordinated in terms of capacity
Infrastructure manager	A public legal entity or company authorized by the Ministry to safely operate the railway infrastructure in its possession and make it available to railway undertakings
Railway infrastructure capacity	The maximum number of trains that can be operated in a certain time period and in a certain line section in terms of traffic and infrastructure characteristics of the line
Railway infrastructure	Ground, ballast, sleeper and rail and electrification, signalization and communication facilities and all kinds of engineering structures, facilities, stations, logistics and freight centres and their annexes and junction lines constituting the railway.

Abbreviation	Explanation
Railway vehicle	All kinds of tractive or hauled vehicles or train sets, including line construction, maintenance, repair and control vehicles
Railway line	Part of the infrastructure capacity required to move the train between two places in a given time
Railway machine	The vehicles such as maintenance vehicle and trailer, laying vehicle, track inspection machine, ballast regulator and shaking-tamping machine, fast track renewal machine, tamping machine, dredging machine used in the construction, maintenance, repair and control services of the line, electrical, signal and communication lines that generally cannot be taken out of line due to its weight and the vehicles can be taken off line in certain places, that can go on road and rail
Railway traffic	The movements of all kinds of rolling stock on the railway infrastructure and their relations with each other within the scope of the railway traffic system
Railway undertaking	A public legal entity or company authorized by the Ministry to carry out freight and/or passenger transport on the national railway infrastructure network
Derailment	In any case, at least one wheel of the train leaves the tracks
Axle pressure	The amount of load transferred from each axle of the railway vehicles to the track
Direct damage	The first and nearest damage directly caused by the damaging event without any additional reason.
Swing bridge	Mechanical or engine powered facility where the locomotive is rotated on a vertical axis to the ground and directed to a different track and/or its direction is changed.
Stop	The place where passenger trains make short stops for passenger drop off and pick up service
Slope	The ratio of the elevation difference between two points of different heights to the horizontal distance between these two points
Safety certificate	The document given to the undertakings by the Ministry, showing that all processes of railway transportation services are managed safely, proving that the train and urban public transport operator has established a Safety Management System and can comply with the relevant safety standards and rules
Safety management system	An organizational structure that complies with the relevant national legislation, and ensures the safe operation of infrastructure manager and railway undertakings, determination of measures systematically to reduce hazards and accidents, reducing risks, and accordingly, creating rules, instructions and processes, and following them continuously and revising them when necessary

Abbreviation	Explanation
Access Contract	The contract between the railway undertaking, whose infrastructure capacity allocation application is positive, and infrastructure manager, which makes infrastructure capacity allocation, providing access to the network
Threshold values	Performance values within the scope of the performance plan specified in the network statement by an infrastructure manager to evaluate the performance of railway undertaking regarding important parameters such as planned and realized train services, planned times and delays.
Out of gauge loaded wagon	The wagon whose load has exceeded the freight gauge from either side
Terminal	Large station with railway and facilities for traffic services and passenger and freight services
Stabling (long standby)	Waiting of a railway vehicle for more than 30 days, other than for the purpose of siding, due to repair, maintenance or out of need
Stabling line	Places determined as parking spaces by the infrastructure manager for a railway vehicle to be kept outside of the purpose of siding due to repair, maintenance, repair or out-of-use
Route	The line section for the calculation of the capacity announced in the network statement
Line	The whole of the places visited by the rolling stock providing railway transportation, the railway
Line capacity	The maximum number of trains that can be operated in a day (24 hours) according to the line section on the railway infrastructure
Line section	Railway section determined to be the basis for planning
Speed	Distance travelled per unit time
Rapid Line	The line where trains can speed between 160 km/h (included) and 250 km/h (excluding) in line with the quality, transport capacity, slope and geometric elements of the infrastructure and superstructure of the line.
Service provider	A public legal entity or company authorized by the Ministry to provide fuel supply to railway undertakings, loading/unloading, shunting and similar services that the infrastructure manager do not or cannot provide.
Service Contract	A contract signed between TCDD and the Customer for the provision of a service
Service Facility	Facilities, including specially arranged space, building or equipment, that allow the supply of all or part of one or more of the services specified in Annex-2 section 1,2,3,4 of the Railway Infrastructure Access and Capacity Allocation Regulation.

Abbreviation	Explanation
Service Trains	Construction, maintenance and repair, rescue vehicles and trains, guide locomotives, sets and trains, and passenger trains and sets that are operated without passengers.
Forward Protection Sign	Mechanical installation with a red rectangular plate in the middle, placed on a 3 to 3.5 m high pole at a distance of at least 700 m from the arrival point, in order to protect some stations remotely without semaphore system
Branch line	Line established for special purposes, loading, unloading or connection that connects to real or legal person lands/facilities by separating from the lines within the station or from the main line
Station	Location where there are railways and facilities for traffic services and passenger and freight services
Station facilities	Entry signs at the station or, if not available, all facilities located within the arrival point
Exceptional consignment	All kinds of freight transportation that needs to be carried in special wagons or conditions due to the characteristics and weight or dimensions of the freight
Departure-arrival tariff	The booklet showing the arrival, stopping and departure times, crossing and overtaking of all trains at stations and stops, formation and connections of passenger trains, load and draw-bar pull according to the line section and type of train and locomotive, the highest speed, natural and minimum travel times of the trains, distance between stations and other information about trains
Public service obligation	Railway passenger transport service obligation fulfilled upon the assignment of the Ministry based on a contract determining the duration of the service, the length of the line to be transported, the number of train services to be made, the passenger transport ticket fees to be applied and the payment methods in order to provide a railway passenger transport service that cannot be provided by any railway undertaking on a certain line on commercial terms
Draw-bar pull	The upper limit of the weight that the draw-bar, which are the equipment that connects the tractive and hauled vehicles, can be pulled according to their types and the slope of the line sections.
Capacity building plan	Plan for the implementation of measures to ease capacity constraints that led to part of the infrastructure being declared 'congested infrastructure'
Catenary	An overhead line system that provides power distribution to locomotives and units that draw electricity through a pantograph.

Abbreviation	Explanation
Junction station	The station where more than two railways coming from different directions meet, or the station where the operating system or infrastructure technical characteristics of two or more railway lines change
Accident	An undesired, unexpected, sudden and unintentional event or chain of events with harmful consequences such as material damage, death, injury
Guide train	As an additional safety and security measure, the train operated without passengers on the line before the start of the first commercial service
Personal safety certificate	Obligatory document given to the personnel who will work in safety-critical jobs in all operators related to railway works, who are successful in the exam to be held or to be made in accordance with the regulation to be published by the Ministry
Combined transport	Passenger and/or freight transportation using more than one type of transportation
Conventional line	The line where trains can speed below 160 km/h due to the quality, transport capacity, slope and geometric elements of the line infrastructure and superstructure.
Coordination	Capacity allocation process carried out by the infrastructure manager to attempt to resolve the conflict situation in the railway infrastructure capacity request process of the railway undertaking.
Bridge	An engineering structure with a total span of 8 m or more, built to pass rivers, roads, railways or similar obstacles, not under filling
Control area	Railway section, including several stations connected to a control centre
Loop line	Circular railway line used to turn the direction of the train set as a whole
Limit	In order to ensure that rolling stocks pass from one track to the other without colliding with each other, white-painted exit signals or flashing signs that have the same function in the TSI system are placed where the clearance between the inner rails is 2 meters from the junction of two separate tracks
Turnout area (OS)	The part of the line with track circuit between the input and output signals on one side of the station and sidings
Shunting	All movements for the distribution, collection or assembly of locomotives and wagons and other rolling stocks, individually or in conjunction with each other, or to form a train, except for the sending of trains from stations, their acceptance to stations or their non-stop passing
Shunting service	Providing shunting support to railway undertakings within the framework of the conditions determined by the contract by the infrastructure manager, RU or service providers

Abbreviation	Explanation
Vocational qualification	To have training, knowledge, skills and equipment related to the execution of railway activities
Certificate of vocational competence	The document given to those who have taken the vocational qualification training foreseen for those who are engaged in activities within the scope of the relevant legislation and / or who are successful in the exams to be held
Vocational qualification training	The training given within the framework of the relevant legislation in order to gain a vocational competence related to the activities within the scope of the legislation
Legislation	All of the current international agreements and national laws, statutes, regulations, general orders, circulars and similar regulations
Maximum speed	Lowest allowable operating speed on high speed or rapid lines
Force majeure	Incidents such as unpreventable, unexpected, earthquake, flood and similar natural disasters, fire, legal strike, general epidemic disease, partial or general mobilization announcement and similar events that may prevent the fulfilment of duty, commitment and responsibility,
Y track	Triangle-shaped railway line consisting of 3 points, which is established in order to send the train coming from one direction to any of the other 2 directions without entering station with passing loop, usually at the junction of 3 railway lines.
Customer	Railway undertaking that receive service from TCDD by signing a service contract, Railway undertakings' customers and service providers operating in train operation and contracted to transport freight and/or passengers by rail
Net-tone	Net weight of the transported freight, excluding wagon tare
Incident	Undesirable, unexpected situations that affect the operation and / or safety of the railway system, outside the definition of accident
Timetable plan	A plan consisting of train lines, including the route, departure and arrival times, number of train journeys related to the movements of trains that are planned to be operated in a particular network or line segment in a calendar year
Overtaking	Of two trains travelling in the same direction, the train in the back overtaking the train in front, at a station or siding
Pantograph	Equipment suitable for electric railway operation and mounted on rolling stock moving with electrical energy, which draws energy by contacting the Catenary line during the journey
Performance report	The report that determines the efficiency of use with all the criteria of the capacity and services offered by the infrastructure manager in the previous timetable plan period

Abbreviation	Explanation
Platform	High pavement used for passengers to easily get on or off the train
Personnel	Any employee of RU or TCDD or their sub-units performing services related to the use of railway infrastructure
Ramp	High sided platform type facility used for loading and unloading of wagons
Siding	Where there are auxiliary lines to the main line and where passenger and freight transportation are made when crossing and overtaking between stations are required in order to increase the flow of traffic and line capability in the regions where the TSI system is applied
Service line	Railway used to repair rolling stock or repair damage caused by loading
Congested infrastructure	Inability to fully respond to the infrastructure capacity allocation request following the coordination of various requests for railway infrastructure capacity allocation
Registry	Register of official documents
Network	The entire railway infrastructure network within the national railway infrastructure owned and/or managed by a infrastructure manager
Network Statement	The statement prepared by the infrastructure managers, which details all other necessary information, including general rules, durations, procedures and criteria for pricing and capacity allocation plans to enable infrastructure capacity allocation applications, and which is published by the approval of Ministry
Company	The company registered in the trade registry established in accordance with the Turkish Commercial Code dated 13/1/2011 and numbered 6102
Tablet traffic table	The device that is used to record the stops, departures, crossing, overtaking processes of trains from the first exit station to the last arrival station, as well as all kinds of disruptions and irregularities that occur on the line and forms the basis for the control of train operations, the determination of statistical information on the movements of locomotives and wagons, and the evaluation of operational results
Allocation period	An timetable plan period covered by network statement
Consignment note	Freight document issued pursuant to the relevant legislation in freight transportation and the contract concluded between the sender and the holder of the authorization certificate
Transport authorization certificate	A document given by the Ministry to an operator showing that the prerequisites are met in order to provide railway transportation services, to operate infrastructure and trains.
TCDD	Turkish State Railways

Abbreviation	Explanation
TCDD Network	Railway infrastructure made available by TCDD
Dangerous Good	Freight, article or substance which is classified and limited according to their characteristics or protected/contained/preserved in appropriate conditions, places, containers, packages or facilities and flammable, explosive, caustic or flammable, irritating, toxic, radioactive substances and loads, articles or substances that are dangerous for the other goods they are combined with or that require a special mechanism and/or facility for their protection and whose names and UN code numbers are specified in the dangerous goods list published by the United Nations and in the 3rd part of the RID Agreement.
Single Locomotive	They are trains consisting of a maximum of three locomotives in single or connected condition. 1 generator or personnel wagon connected to the locomotive is considered as a single locomotive.
Registration	Acceptance and determination of ownership of a railway vehicle in order to be able to travel safely in the national railway network, in compliance with the relevant technical and administrative legislation
Certificate of registration	Document showing that a railway vehicle has been registered by the Ministry
Test train	They are the trains that are put on the service for the necessary tests to be carried out according to the national / international legislation and rules in order to operate the railway vehicles technically in the national railway network.
Journey Report	It is a form that is used to record the stops, departure, crossing, overtaking processes of the trains from the first exit station to the last arrival station, as well as all kinds of disruptions and irregularities that occur on the line and which is the basis for the control of the transactions of the train, the determination of the statistical information on the movements of the locomotives and wagons, and the evaluation of the operating results
Train	It is a set consisting of one or more tractive vehicles, one or more hauled vehicles, which will be prepared according to the provisions of Regulation on the Preparation and Traffic of Trains
Train path	Railway infrastructure capacity that can be allocated to operate a train between two places in a specified time period on a given network
Train route	The line between a train's planned departure and destination points
Train movement notification form	The document to be filled by RU and delivered to the TCDD official before the train's departure.
Train set	Any passenger train consisting of one or more vehicles, fixed or predefined

Abbreviation	Explanation
Train formation shunting	Shunting for a train to be prepared in accordance with the provisions of Regulation on the Preparation and Traffic of Trains for dispatch
Train-km	Traffic measurement unit obtained by multiplying the number of trains by the distance travelled in km
Turnstile pass system	Access control system that provides effective supervision or control of entrance and exit at stations and stops
Tunnel	An engineering structure constructed to prevent the line from being closed by drilling the land or due to snow and landslides through which train passes are provided in the natural land where the railway route passes, in the sections where the land level is much higher than the line level
General Directorate of Transportation Services Regulation	National institution that regulates, authorizes, supervises and also issues safety documents on behalf of the Ministry in matters related to infrastructure manager and railway undertakings, and organizers, agencies, brokers, grand station or station operators in the field of railway transportation.
National rail infrastructure network	An integrated railway infrastructure network belonging to the public or companies that connects the city and district centres and other settlements within the borders of Turkey with ports, airports, organized industrial zones, logistics and freight centres.
National passenger transport service	Rail transport service provided by passenger trains, provided that all wagons or train sets do not cross the country's borders
National freight transport service	Railway transportation service provided by freight trains, which can be added to the train and/or the train can be separated, and different sections can have different departure and arrival points, provided that all wagons do not cross the country border
International passenger transport service	Railway transportation service where all the wagons of the train or the set cross the borders of Turkey at least once, and different wagons can have different departure and arrival points
International freight transport service	Railway transportation service where all the wagons of the train cross the borders of Turkey at least once, the train can be added to and/or the train can be separated, and different wagons can have different departure and arrival points
Improper rolling stock	Vehicles that do not meet the procedures and principles specified in the Railway Vehicles Registration and Registry Regulation and Registration of railway vehicles, together with UTP/TSI technical and administrative requirements published and updated by the European Commission or the OTIF Technical Experts Committee

Abbreviation	Explanation
Long Item	Item exceeding the size of the wagon
Long Term Service Agreement	The agreement between TCDD and the Customer for long-term service use exceeding a Network Statement period
Third party	Any person other than TCDD, RU and their sub-units
Construction gauge	Profile (envelope curve) showing the maximum physical dimensions that the loaded or unloaded rolling stocks whose physical dimensions (height and width dimensions) exceed the freight gauge can travel on the railway line. All kinds of fixed facilities on and around the railway line, including engineering structures such as tunnels and bridges, must remain outside the construction gauge.
Local control desk	the installation placed for the local use of the system in stations and sidings in systems where the traffic is managed with electrical signals
Passenger Train Operator	A public legal entity or company established to carry out national and/or international passenger transport on the national railway infrastructure network and authorized by the Ministry
Loading gauge	Profile (envelope curve) showing the maximum physical dimensions (height and width dimensions) that the static loaded or unloaded rolling stocks can travel on the railway line without taking any safety measures. When it is called gauge, it is generally meant to be loading gauge.
Freight train operator	A public legal entity or company established to carry out national and/or international freight transport on the national railway infrastructure network and authorized by the Ministry
High Speed Line	The line where trains can speed up to 250 km/h and above due to the quality, carrying capacity, slope and geometric elements of the line infrastructure and superstructure.