			TAP TSI Basic	Parameters (BP): Summary of responsibil	litites, content	, conditio	ons, standards (Bas	is: Regulation (E	U) 454/20	011)	
BP-No.	BP Name	Respons ible	required activities	required output/information	Recipient of output, information	provi- sion required on	conditions for ínformation provision	Target deadline independent of phase 1 requirements for delivery time	required stan- dard	allowed alternatives to standards	required quality required retention period
4.2.1.	Exchange	RU	make available	all of its timetable data (sole or joint carrier)				>2 months before	B.4		>accurate
	of timetable			by guaranteeing access to	>all RUs			timetable comes			>up-to-date
	data				>third parties			into force, if RU			12 months after
					>public bodies			has sole control			expiry date
								> as soon as			
								possible for re-			
								maining services			
								>any changes to an-			
								nual timetable at			
								least 7 days before			
								changes take effect			
4.2.2.	Exchange of	RU	make available	all its tariffs (including fare tables)							>accurate
	tariff data			by guaranteeing access to	>RUs		authorisation to sell				>up-to-date
					>third parties		authorisation to sell				
					>authorised						
					public bodies						
				Tariff data for international and foreign sales							
				>NRT Tariffs (Non Reservation Ticket)					B.1.		
				>IRT Tariffs (Integrated Reservation Ticket)				tariff (NRT/IRT)	B.2.		
								comes into force			
				>Special Tariffs				>according to its	B.3.		
								sales condition			
				Tariff data intended for domestic sales					>open		
									point		
4.2.3.	Handling of	RU	make available	a dataset	>RUs			as soon as			
	information				>Agency (ERA)			possible			
	on contact				>third parties						
	details				>public bodies						
	of the RU			that includes							
				>carrier name							same name
											used for time
											table delivery
				>carrier code							
				>official website					machine		
									readable		

BP-No.	BP Name	Res- pons ible	required activities	required output/information	Recipient of output, information	provi- sion required on	conditions for information provision	Target deadline independent of phase 1 requirements for delivery time	required stan- dard	allowed alternatives to standards	required quality required retention period
4.2.4.	Handling of	RU	publish	information relating to:	not mentioned	official		>first publication	web		
	information			>general conditions of carriage (CIV)		website		6 months after	content		
	concerning			>own conditions of carriage				TAP comes into	accessi-		
	conditions			>link to Passenger Rights Regulation				force (13 Nov. 11)	bility		
	of carriage			>accepted means of payment				> changes	guide-		
				>sales and after sales conditions				6 days before	lines		
				>procedures for submission of complaints				into force			
4.2.5.	Handling of	RU	publish	>conditions for the handling of registered	passenger	official	>RU offers such	>first publication	web		
	information			luggage		website	handling	6 months after	content		
	concerning			>information to that effect			>service is not	TAP comes into	accessi-		
	carriage of						offered by RU	force (13 Nov. 11)	bility		
	registered							> changes	guide-		
	luggage							6 days before	lines		
								into force			
4.2.6.	Handling of	RU	publish	information (e.g.):	passenger	official		>first publication	web		
	information			>trains where PRM facilities are available		website		6 months after	content		
	concerning			>types and minimum quantity of PRM facilities				TAP comes into	accessi-		
	assistance			under normal operating conditions				force (13 Nov. 11)	bility		
	of persons			>methods for requesting assistance for				> changes	guide-		
	with reduced			boarding and disembarking				6 days before	lines		
	mobility			>maximum seize and weight of wheelchair				into force			
	(PRM)	L		>conditions of access to stations							
			requesting	availability/reservation request for PRM	system		>IT communication		B.10	otherwise	
		ticket	distribution	assistance:			is used			defined	
		vendor	system sends	>availability request			>commercial agree-			standards	
				>reservation request			ment carrier and				
				>full cancellation request			distributor exists				
		add-	send	availability/reservation response:	requesting		request properly		B.10	otherwise	
		ressed		>reply about availability	system		formulated			defined	
		system		>confirmation of reservation request						standards	
				>confirmation of cancellation request							
				>negative reply							

		Res-			Recipient	provi-		Target deadline	required	allowed	required
		pons			of	sion	conditions for	independent of phase 1	stan-	alternatives	quality
		ible	required		output,	required	ínformation	requirements for	dard	to	required
BP-No.	BP Name		activities	required output/information	information	on	provision	delivery time		standards	retention period
4.2.7.	Handling of	RU	publish	conditions for carriage of bicycles:	passenger	official	service is offered	>first publication	web		
	information			>trains where carriage of bicycles is available		website	by the RU	6 months after	content		
	concerning			>times where carriage of bicycles is permitted				TAP comes into	accessi-		
	the carriage			>whether specific reservation is required				force (13 Nov. 11)	bility		
	of bicycles							> changes	guide-		
								6 days before	lines		
								into force			
		RU,	distribution	availability/reservation request for carriage	attributing		>IT communication		B.5	otherwise	
		ticket	system sends	of bicycles:	system		is used			defined	
		vendor		>enquiry about availability			>commercial agree-			standards	
				>reservation request			ment carrier and				
				>complete cancellation request			distributor exists				
		attribu-	send	availability/reservation response:	requesting		request correctly		B.5	otherwise	
		ting		>reply about availability	distribution		formulated			defined	
		system		>confirmation of reservation request	system					standards	
				>confirmation of cancellation request							
				>negative reply							
.2.8.	Handling of	RU	communicate	conditions for carriage of cars, e.g.:	passenger	official	service is offered	>first publication	web		
	information			>trains on which carrying of cars is possible		website	by the RU	6 months after	content		
	concerning			>specific address and time for loading				TAP comes into	accessi-		
	the carriage			>size, weight for the transport of cars				force (13 Nov. 11)	bility		
	of cars							> changes	guide-		
								6 days before	lines		
								into force			
		RU,	distribution	availability/reservation request for carriage of	attributing		>IT communication		B.5	otherwise	
		ticket	system sends	cars:	system		is used			defined	
		vendor		>availability request			>commercial agree-			standards	
				>reservation request			ment carrier and				
				>complete cancellation request			distributor exists				
		attribu-	send	availability/reservation response:	requesting		request properly		B.5	otherwise	
		ting		>reply about availability	distribution		formulated			defined	
		system		>confirmation of reservation request	system					standards	
				>confirmation of cancellation request							
				>negative reply							

		Res-			Recipient	provi-		Target deadline	required	allowed	required
		pons			of	sion	conditions for	independent of phase 1	stan-	alternatives	quality
		ible	required		output,	required	ínformation	requirements for	dard	to	required
BP-No.	BP Name		activities	required output/information	information	on	provision	delivery time		standards	retention period
4.2.9.	Handling of	RU,	distribution	availability/reservation request for the	attributing		commercial agree-		B.5	otherwise	
	availability/	ticket	system sends	specified accomodation type:	system		ment between			defined	
	reservation	vendor		>enquiry about availability			carrier and			standards	
				>reservation request			distributor exists				
				>request for cancellation							
		attribu-	send	availability/reservation response:	requesting		request validily		B.5	otherwise	
		ting		>reply about availability	distribution		formulated			defined	
		system		>confirmation of reservation request	system					standards	
				>confirmation of cancellation request							
				>replacement proposal							
				>negative reply							
4.2.10.	Handling of	rail	generate	security information to be inserted in the	distribution		RU issues CIV	as soon as the	standard		
	security	ticket		ticket/reservation	system		compliant ticket/	booking status and	for the		
	elements for	office,					reservation	the sales transaction	handling		
	product	agency,						data have been	of secu-		
	distribution	retailer,						sucessfully sent to	rity ele-		
		distribu						distribution system	ments		
		tion							>open		
		system							point		
			produce	dossier reference to retrieve the ticket/reser-			RU issues CIV	as soon as the	standard		
				vation			compliant ticket/	booking status and	for the		
			enter	all information concerning the ticket	own distribution		reservation	the sales transaction	handling		
					system			data have been	of secu-		
								sucessfully sent to	rity ele-		
								distribution system	ments		
									>open		
									point		
			generate	dossier reference to retrieve the ticket/reser-			RU issues CIV	as soon as the	standard		
				vation			compliant ticket/	booking status and	for the		
			enter	dossier reference		on ticket/	reservation	the sales transaction	handling		
						reservation		data have been	of secu-		
								sucessfully sent to	rity ele-		
								distribution system	ments		
									>open		
									point		

BP-No.	BP Name	Res- pons ible	required activities	required output/information	Recipient of output, information	provi- sion required on	conditions for information provision	Target deadline independent of phase 1 requirements for delivery time	required stan- dard	allowed alternatives to standards	required quality required retention period
4.2.11.	Delivery of										
	the product										
	to the custo-										
	mer after ist										
	purchase										
1.	Fulfilment	RU	accept	tickets according to the definition in B.6:	(passenger)		>ticket is appropriate		B.6		
	direct for		-	>ticket and reservation			for the journey				
	international			>ticket only			>no suspect of fraud				
	foreign sales			>reservation only			>used in accordance				
				>supplements			with conditions of				
				>travel voucher for compensation			carriage				
2.	Fulfilment	RU	if makes sales	using indirect fulfilment on one of the follo-	(passenger)				>B.6		
	indirect for			wing methods, it must use the following					>B.7		
	international			standards					>standard		
	foreign sales			> CIV compliant electronic delivery (ticket on					for ticket		
				departure)					on depar-		
				>CIV compliant Manifest on list					ture is		
				>CIV compliant A4 ticket via email delivery					>open		
				Types of above issued tickets shall be					point		
				>open ticket (travel only)							
				>open ticket and reservation							
				>global price ticket (travel and reservation)							
3.	Fulfilment								>open		
	direct								point		
	domestic										
	sales										
4.	Fulfilment								>open		
	indirect								point		
	domestic										
	sales										

DD N-	DD No.	Res- pons ible	required		Recipient of output,	provision required	conditions for information	Target deadline independent of phase 1 requirements for	required stan- dard	allowed alternatives to	required quality required
BP-No.			activities	required output/information	information	on	provision	delivery time		standards	retention period
	Handling of	Station	provide information	1. train departure	customer	voice		>renewal, major			The station
	information	mana-	in station area	>train type and/or number	within station	announ-		upgrade or new			manager
	provision in	ger		>station(s) of destination		cement		installation of			decides on:
	the station			>where appropriate, intermediate station stop(s)		and/or		>voice			>type of infor-
	area			>platform or track >scheduled departure time		displays		announcements			mation system
				•				>and/or display			(display and/or
				2. deviations from plan for departing trains				systems			voice announ-
				>train type and/or number				>stations at which			cement)
				>station(s) of destination				trains perfor-			>the point in
				>scheduled departure time				ming interna-			time, when the
				>deviation from plan				tional service			information is
				3. terminating trains				stop			provided
				>station(s) of origin							>the location
				>arrival time at terminating station							within the
				>train type and/or number							station where
				>arrival platform or track					(5.55)		information
				4. deviations from plan for terminating trains				in due time to the	(B.30)		system will be
				>train type and/or number				station manager			installed
				>station(s) of origin				by RUs and/or IMs			
				>scheduled arrival time				(delivery of the			
				>deviation from plan				information			
				5. Deviations from plan comprise				see BP.4.2.15)			
				>material delays							
				>change of track or platform							
				>full or partial cancellation of train							
				>train rerouting							
4.2.13.	Handling of	RU	inform in train	1. at station of departure and major inter-	passenger			>renewed or up-			RU decides on:
	information			mediate station stops:				graded rolling			>type of infor-
	provision in			>train type and/or number				stock, if informa-			mation system
	the vehicle			>final destination(s)				tion systems			(display and/or
	area			>where practicable intermediate station stops				(voice announce-			voice announ-
				>material delay				ments			cement)
				>reasons for delay, if known				and/or display			>the point in
				2. before arrival at all intermediate station				systems)			time, when the
				stops:				are renewed or			information
				>next station stop (station name)				installed			will be provided
				3. before arrival at major intermediate				>trains performing			>the location
				station and destination station:				international			within a train
				> next station stop (station name)				service			where the
				>planned arrival time							information
				>estimated arrival time and/or other delay							devices will be
				information							installed
				>next main connecting services			at the descretion of RU				
4.2.14.	Train	RU	send	Train ready message for all trains:	IM			every time a train	B.30	other existing	If timetable is

		Res- pons			Recipient of	provi- sion	conditions for	Target deadline independent of phase 1	required stan-	allowed alternatives	required quality
BP-No.	BP Name	ible	required activities	required output/information	output, information	required	information provision	requirements for delivery time	dard	to standards	required
BF-NO.	preparation		activities	>train and/or path number	Illioilliation	OII	provision	is ready to access		standards	retention period used for train
	preparation			>Train ready indication, which indicates, that				the network for		may be used	ready, the RU
				that the train has been prepared and is				the first time		for the same	shall inform the
				ready to run				the mot time		purpose if	IM if the train is
				ready to run						parties invol-	not ready as
										ved have con	soon as possible
										cluded	occii do poccioio
										> IM accepts	
										under national	
										rules the	
										timetable as a	
										"train ready"	
										message	
4.2.15.	Train running	IM	send	1. "train running <u>information</u> " message	RU		Path contract that speci-	as soon as the	B.30	other existing	
	information			for <u>all</u> trains			fies reporting points for	train reaches		standards may	
	and			>train and/or path number (trainID)			train movement	contractually		be used for the	
	forecast			>scheduled time and actual time at agreed				agreed reporting		same purpose	
				reporting point				points		if there is a spe-	
				>identification of reporting point						cific agreement	
				>status of train at the reporting point						between the	
										parties involved	
		IM	send	2. "train running <u>forecast</u> " message	RU			>as soon as the	B.30		the BP does not
				for <u>all</u> trains				train reaches		standards may	prescribe the
				Content: forecasted time for agreed forecast				contractually		be used for the	process for
				points				agreed reporting		same purpose	generating the
				>train and/or path number (trainID) >for each agreed forecast point				points to deliver		if there is a spe-	forecast
				-scheduled time and forecast time				a forecast for a forecast point		cific agreement between the	
				- identification of agreed forecast point				>can be send be-			
				-status of train at agreed forecast point				fore train starts		parties involved	
				-status of train at agreed forecast point				running			
							additional delays	>based on agreed			
							occuring between	threshold in case			
						1	reporting points	of delays between			
							- cporting points	reporting points			
		RU	deliver	Information on train running forecast	station		1	in due time			
		and/or	-		manager			under a contrac-			
		IM						tual agreement			

		Res-			Recipient	provi-		Target deadline	required	allowed	required
		pons			of	sion	conditions for	independent of phase 1	stan-	alternatives	quality
		ible	required		output,	required	ínformation	requirements for	dard	to	required
BP-No.	BP Name		activities	required output/information	information	on	provision	delivery time		standards	retention period
4.2.16.	Service	RU	inform	operational status of the trains	IM				OPE TSI		
	disruption								4.2.3.3.2.		
	information								RU must in-		
									form IM of		
									any anoma-		
									ly affecting		
									the train or		
									its operati-		
									prior or du-		
									ring journey		
		IM	issue	train running interrupted message	>RU				B.30	other existing	12 months after
				>path and/or train number (train ID)	>neighbouring					standards may	expiry date
				>identification of location	IM					be used for the	
				>start time of interruption						same purpose	
				>code denoting the reason						if there is a spe-	
		IM	send	train running forecat message	RU		length of delay is			cific agreement	
							known to IM			between the	
										parties involved	
4.2.17.	Handling of			>BP does not include Traffic Management							
	short term			issues							
	timetable			>Time limit between short term paths and							
	data for			Traffic Management path changes is subject							
	trains			to local agreements							
		Access	send	1. path request message	IM		the paties invoved		B.30	other existing	
		party		>path departure point			use telematic appli-			standards may	
				>time for which the path is requested			cations within the			be used for the	
			1	>train details	A		meaning of Annex II			same purpose	
		IM	send	2. path detail message	Access party					if there is a spe-	
				>path details						cific agreement	
		IM		>train details	A					between the	
		IM	send	3. "path not avaialble"message >path departure and destination point	Access party					parties involved	
				>time of departure from start point							
				>reason for path not available							
				>alternative proposal without requiring				at the come time			
				any further request from the RU				at the same time			
				any further request from the Ko				or as soon as			
		A 00 = = 1	book, confirm	4. path confirmed message	IM			possible	-		
		Access party	DOOK, COIIIIIIII	>path details	1171				-		
		Party		>indication, that the access party accepts the					-		
				path proposed			1		<del> </del>		
				ματι μισμοσεα	<u> </u>			1	<u>i                                      </u>		

		Res-			Recipient	provi-		Target deadline	required	allowed	required
		pons			of	sion	conditions for	independent of phase 1	stan-	alternatives	quality
BP-No.	BP Name	ible	required activities	required output/information	output, information	required on	ínformation provision	requirements for delivery time	dard	to standards	required retention period
Di ito.	Di Nume	Access	send	5. path details refused message	IM	O.I.	provision	denvery time		Staridards	retention period
		party		(used to reject path details proposed by IM)							
		,		>path details							
				>indication that the path details are rejected							
				>reason for refusing the path							
		Access	send	6. path cancelled message	IM						
		party		(used by an AP to cancel a booked path)							
				>path details							
				>indication that the path is beeing cancelled							
		Access	exchange	7."receipt confirmation" message	IM,			if messages can			
		party		(indicates that ist sender has received the	access party			not be made			
		IM		message and will act upon it as necessary				available			
								within 5 minutes			
		IM	send	8. "booked path no longer available"	access party						
				message							
				(used by IM to inform that a booked path is							
				no longer available for an importatn reason)							
				>path details							
				>indication of the cause							
4.2.18.	The quality	all	make available	data	>customers			at appropriate			>up-to-date
	of the data	those	publish	inforrmation	>(passengers)			time			>coherent
	and informa-	to			>RUs						>accurate
	tion used in	whom			>ÌMs						>complete
	this TSI	TSI is			>third party						> in appropri-
		addres-									ate content
4.2.19.	Various	sed ERA	centrally store	unique codes for reference data (e.g.):	all those to						a ctual status
4.2.19.	reference	EKA	and maintain	> coding for all IM, RUs, station managers,	whom this TSI						actual status at all times
	files and		anu mamam	service provider companies	is addressed						at all tillles
	databases			>coding of locations	is addressed						
	uatabases			>all European maintenance workshops							
				>codes for timetable exchange purposes							
				>codes for tariff exchange purposes							
				>message-data set catalogue							
				>passenger code list							
				>any other files +code lists that are needed							
				for the use of TDs (defined during SEDP)							
4.2.20.	Electronic	par-	use for data	information exchange					no	parties	
		ties	exchange	Ĭ					standard	involved	
	of documents	invol-	<del> </del>						requested	can decide	
		ved							·		

BP-No.	BP Name	Res- pons ible	required activities	required output/information	Recipient of output, information	provi- sion required on	conditions for ínformation provision	Target deadline independent of phase 1 requirements for delivery time	required stan- dard	allowed alternatives to standards	required quality required retention period	
4.2.21.	Networking			TAP TSI (TAF TSI) specific elements:								
	and com-	Central	handle	6. central repository		as closely					a local "mirror"	
	munication	reposi-		> metadata		as possible					of the central	
		tory		>list of electronic addresses where actors		to the im-					repository must	
				allow other actors to obtain information		plemented					be a accurate	
				>directory (phonebook)		TAF TSI					copy of the central	
		Com-	handle	7. Common interface for RU/IM communi-								
		mon		cation								
		inter-		> meesage formatting outgoing messages								
		face		>decryption of incoming messages								
				>conformity checks of incomming messages								
				according to meta data								
				>handling of single common access to								
				various databases								
	Management			to manage the connection with other modes								
	of connection			of transport, the following standard <u>should</u> be								
	with other			applied for the provision of information to and								
	modes of			exchange of information with other modes								
	transport	RU	exchange	>timetable information	other modes of							
				- EN 12896 ("Transmodel")	transport				EN12896	(only should		
	_			- EN TC 278 WI 00278207 ("IFOPT-Identifi-					ENTC278	not must)		
				cation of fixed objects in public transport)								
				>specific timetable data								
				- XML based on Transmodel					XML	(only should		
				- EN 15531 ("SIRI") for exchange of realtime					EN15531	not must)		
				timetables								
				- EN TC 278 WI 00278207 ("IFOPT") for the					ENTC278			
				exchange of "stop/station" data								
				>tariff data					>open			
				-still an open point					point			
	Explanations:		Access party	a licensed RU or annother party seeking to procu	re a train path							
			RU	railway undertaking								
			IM	infrastructure manager								
			B.1.	Computer generation and exchange of tariff data							UIC Leaflet 108-1	
			B.2.	Computer generation and exchange of tariff data				reservation tickets (	IRT)		UIC Leaflet 108-2	
			B.3.	Computer generation and exchange of data mean							"NON" Leaflet 108-3	
			B.4.	Implementation guide for EDIFACT messages co							UIC Leaflet 916-1	
			B.5.	Electronic reservation of seats/berths and electro							UIC Leaflet 918-1	
			B.6.	Electronic seat/berth reservation and electronic p	roduction of trans	sport docun	nents (RCT2 standard	s)			UIC Leaflet 918-2	
			B.7.	International Rail ticket for Home Printing								
			B.8.	Standard numerical coding for RUs, IMs and other companies involved in rail-transport-chains								
			B.9.	Standard numerical coding for locations								
			B.10.	Electronic reservation of assistance for persons v							new	
			B.30.	Schema-messages/datasets catalogue needed for	or the RU/IM com	munication	of TAP TSI				no UIC leaflet	