



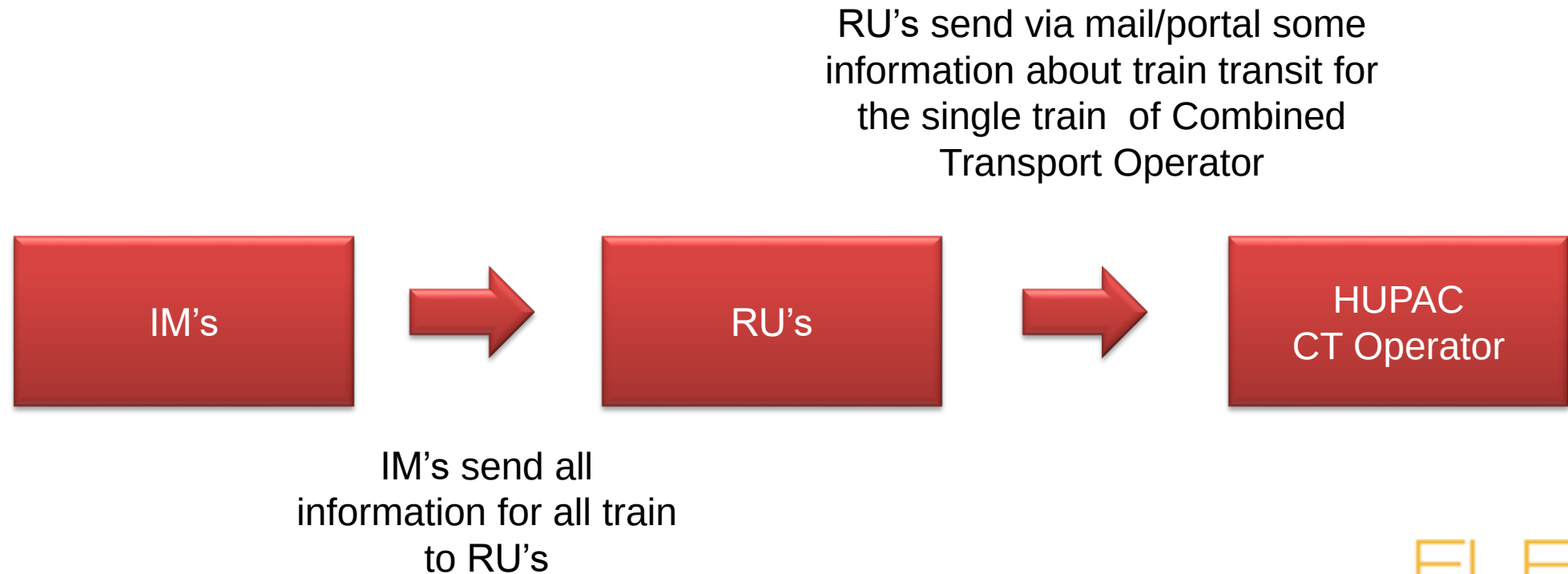
ELETA – Hupac tracking and tracing

Frankfurt, February 22th 2018

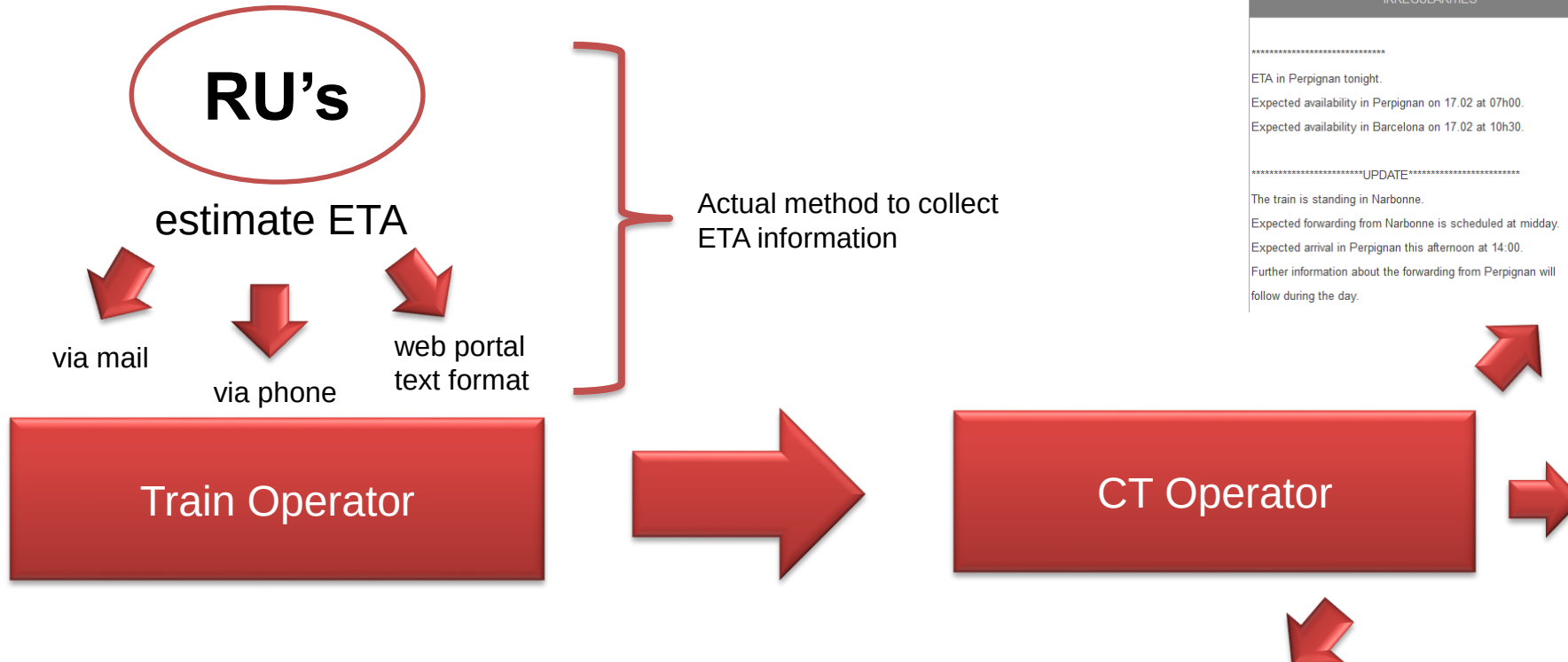


Train tracking & tracing

→ What is the role of each actor (as identified and specified above)



Train ETA information



Actual method to collect
ETA information

HUPAC Irregularities

Irregularities of train 41110 of 09/02/2018			
IRREGULARITIES	DATE	TIME	
*****	16/02/2018	11:00:23	
ETA in Perpignan tonight.	16/02/2018	11:00:23	
Expected availability in Perpignan on 17.02 at 07h00.	16/02/2018	11:00:23	
Expected availability in Barcelona on 17.02 at 10h30.	16/02/2018	11:00:23	
*****UPDATE*****	16/02/2018	09:14:03	
The train is standing in Narbonne.	16/02/2018	09:14:03	
Expected forwarding from Narbonne is scheduled at midday.	16/02/2018	09:14:03	
Expected arrival in Perpignan this afternoon at 14:00.	16/02/2018	09:14:03	
Further information about the forwarding from Perpignan will follow during the day.	16/02/2018	09:14:03	
	16/02/2018		

Portals to inform
HUPAC customers

HUPAC Traffic viewer



CESAR online

Transport details: Schwarzheide - Ruhland - Ludwigshafen (Rhein) (KTL) Ubf							
Schwarzheide - Ruhland - Ludwigshafen (Rhein) (KTL) Ubf							
Status	Status Date	Driver id	Operator id	Terminal	Control tr. / Railway tr. / Strassen	Departure date	Forecast pickup date / Departure number
	06-02-2018 13:41	-	HUPAC	Schwarzheide - Ruhland	-	07-02-2018 00:00	0
	06-02-2018 14:34	28802Y	HUPAC	Schwarzheide - Ruhland	-	07-02-2018 00:00	0
	09-02-2018 08:54	-	HUPAC	Schwarzheide - Ruhland	91073	09-02-2018 00:00	0
	09-02-2018 10:43	-	HUPAC	Schwarzheide - Ruhland	91073	09-02-2018 11:27	10-02-2018 03:15
	10-02-2018 02:54	-	HUPAC	Ludwigshafen (Rhein) (KTL) Ubf	91073	09-02-2018 11:27	10-02-2018 02:54

ELETA

Train ETA → Unit forecast ready for pick-up (terminal)

CT Operator

Train ETA info to arrival TERMINAL
(via phone/mail)

Arrival Terminal



Information to Customer

via CESAR platform

Calculation forecast
Pick Up Date

Status	Status Date	Driver id	Operator id	Terminal	▶ Control tr. ▶ Railway tr. ▶ Wagon	Departure date	Forecast pickup date
	17-02-2018 11:35	-		Rotterdam CTT	▶ 42760 ▶ 42760 ▶ 378040604671	16-02-2018 18:00	17-02-2018 11:35

Train tracking and tracing

Data collection from RU's

Formats – Protocol

- XML
- mail + PDF attached
- HTML mail



SBB CFF FFS Cargo

- mail delivery with train transit details
- ZEDAS portal



DB Cargo

- mail PDF with attached
- myRailPortal (iG@te)

bis cargo
Die Alpinisten.

- mail PDF with attached



- mail

SBB MAIL

Train-running notice by SBB Cargo International

Date/Time: 05.11.2017 13:11
Load: 43706/NOBos-KKE M/5 - 05.11.2017
Train path: 43598 - 05.11.2017
Origin: NOBos/83007658/Novara Boschetto
Destination: KKE M/80154773/Köln Eifelort Bezirk III
Current location: BR/85016097/Brig
Type of measurement: Actual time of departure
Planned: 05.11.2017 13:28
Actual: 05.11.2017 13:11
Current delay (min.): -17
Wagons/axles/tons/metres: 18 / 86 / 1,030 / 448
Delay reason:
Initial delay occurred in:
Initial delay (min.): 0
Initial delay reason:

BLS MAIL

Track & Trace BLS Cargo

Data: 04.11.17 09:02

Trasporto 43521, 02.11.2017

Stato	beendet	Posizione attuale	Novara	*/-	-6
Primo numero di carro alla partenza	33854506107-3				

Percorso

No. treno	Posto di movimento	Arrivo			Partenza		
		Ora pianificata	Ora effettiva	+/-	Ora pianificata	Ora effettiva	+/-
43521	Rotterdam Waalhaven Zuid				02.11.17 22:40	02.11.17 22:39	-1
	Venlo	03.11.17 01:10	03.11.17 01:22	+12	03.11.17 01:13	03.11.17 02:00	+47
	Köln Hbf						
	Mannheim Hbf						
	Karlsruhe Hbf	03.11.17 10:09			03.11.17 10:29		
	Offenburg	03.11.17 11:30	03.11.17 11:39	+9	03.11.17 12:23	03.11.17 11:39	-44
	Haltingen						
	Basel Bad Rbf	03.11.17 15:22	03.11.17 15:00	-22	03.11.17 15:53		
	Weil (Rhein)						
	Basel Bad Bf	03.11.17 15:57	03.11.17 16:24	+27	03.11.17 15:57	03.11.17 16:24	+27
	Basel SBB RB Gr A	03.11.17 16:04	03.11.17 16:31	+27	03.11.17 16:04	03.11.17 16:31	+27
	Basel SBB RB Gr D	03.11.17 16:09	03.11.17 16:34	+25	03.11.17 16:12	03.11.17 16:36	+24

Captrain Netherlands

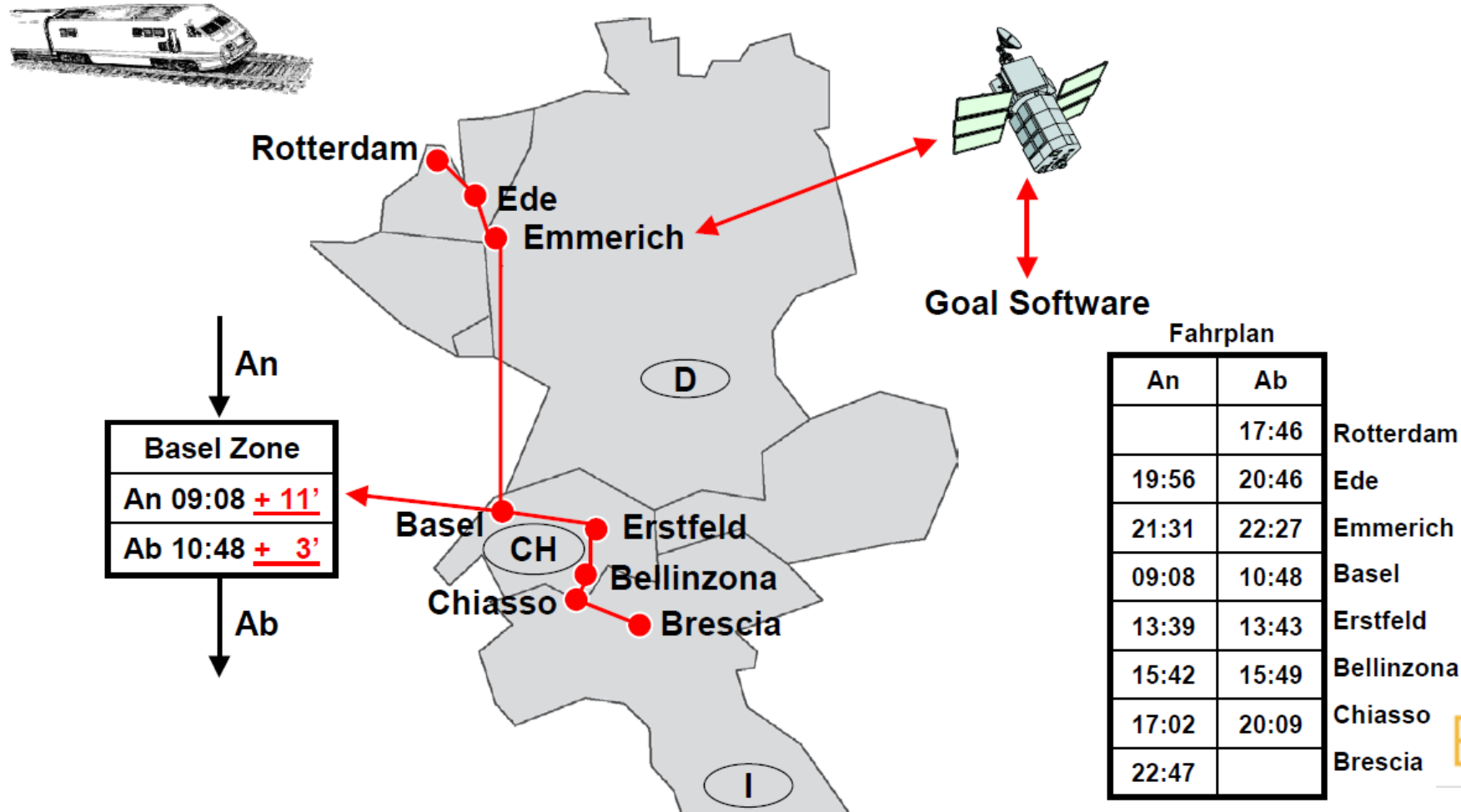
ZUGLAUF INFORMATION / TRAIN INFORMATION

Origin / destination - Herkomst / Bestemming			
Ludwigshafen (Rhein) BASF Ubf - RSC Waalhaven			
Customer: CCW Gütersloh			
Last Wagen: 33854506548-8			
Customer Ref: WH/74471			
Captrain Ref: 1083,612			
Payload: 1083,612			
Dangerous Goods: Yes			
Locomotives - Locomotieven			
) BR203-101 (Wlz -> Rscw)			
) BR186-459 (Rb U -> Wlz)			
Actual arrival & departure times			
Station/Bahnhof/Gare/Stazione	Train No	ATA	ATD
Emmerich	41740	9:43	9:43
Zevenaar Groot	41740	11:55	11:55
Kijfhoek-Noord	41740	12:07	12:07
Waalhaven	41740	12:07	12:07

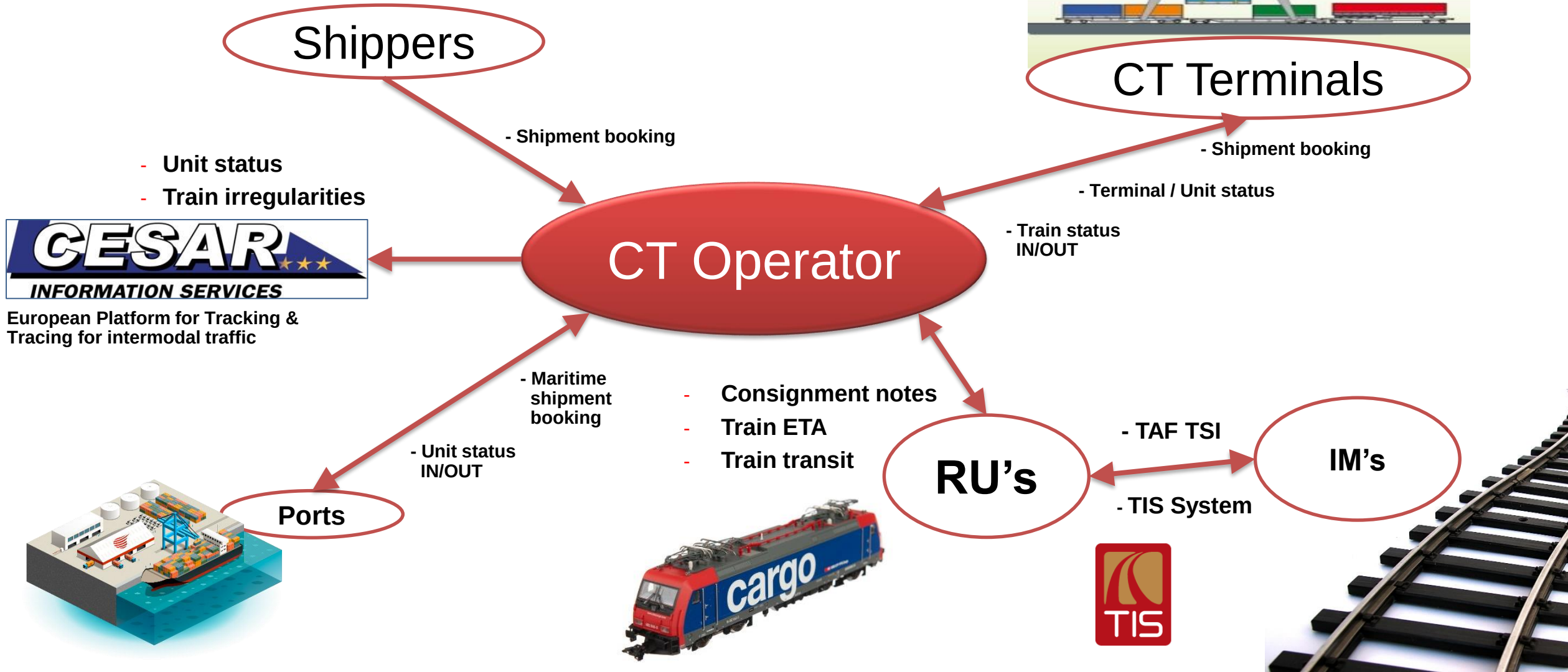
CAPTRAIN MAIL

iG@TE

Train tracking & tracing – GPS unit on wagon



Train tracking and tracing EDIGES (xml)





Thank you for your attention

