

### Fixed Link Performance Regime summary 2017

(Document de Référence du Réseau/Network Statement par.7)

29/5/2018

Channel Fixed Link: an integrated road & rail transport system, financed & built by private Concessionnaires

### **Fixed Link Performance Regime** Rail Passenger Performance 2017

**RW** Pax

Transit

1%

RW

Freight

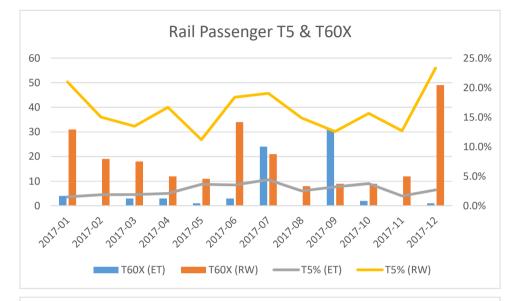
\_1%

**RW** Infra

0%

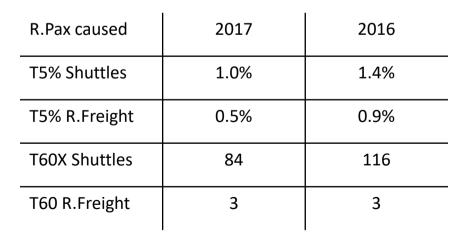
ET Infra

8%



R.Pax incurred	2017	2016
T5% (ET)	2.8%	3.3%
T5% (RW)	16.2%	16.8%
T60X (ET)	72	71
T60X (RW)	233	304

Tx = delay over x minutes at Fixed Link exit (incl. entry+transit)Tx(ET) = delay for all Eurotunnel causes (incl. infrastructure & shuttles)Tx(RW)= delay for all railway causes (incl. upstream IMs, stations, operator)RW.Pax Transit = delay for R.Pax causes (operator) within Fixed Link





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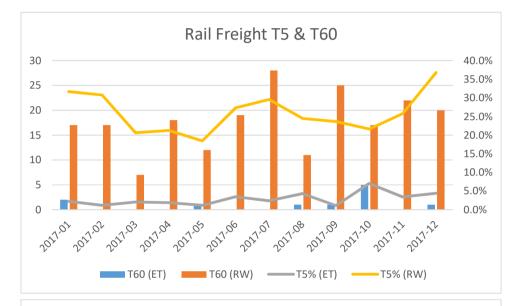
Rail Pax T5 Causes

16%

**RW Pax Entry** 

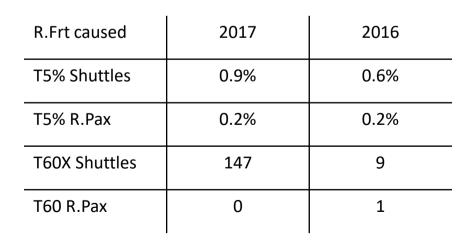
84%

# **Fixed Link Performance Regime** Rail Freight Performance 2017

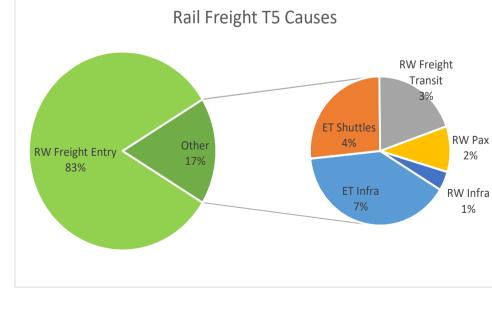


R.Frt incurred	2017	2016
T5% (ET)	2.8%	3.1%
T5% (RW)	25.8%	32.5%
T60 (ET)	11	12
T60 (RW)	213	209

Tx = delay over x minutes at Fixed Link exit (incl. entry+transit) Tx(ET) = delay for all Eurotunnel causes (incl. infrastructure & shuttles) Tx(RW)= delay for all railway causes (incl. upstream IMs, yards, operator) RW.Freight Transit = delay for R.Freight causes (operator) within Fixed Link



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# **Fixed Link Performance Regime** Main Delays & Perf. Improvements 2017

#### Major T60 incidents in 2017

- **14/7**: Catenary power supply fault int.4 (20 RPax)
- **29/9**: Signalling fault on UK CML (29 Rpax)

#### Other T60 incidents in 2017

- 17/1: Shuttle 6509 DWD int.3 (4 RP)
- 8/3: Shuttle 7429 loco brake (3 RP)
- 8/4: Shuttle loco TVM/SVC (3 RP)
- 12/7: Catenary fault int.3 (4 RP)

#### Top causes of ET Infra T5 delays

- Catenary & Power supply (37%)
- Signalling (34%)
- Works train & speed restrictions (11%)

#### Main performance improvement initiatives in progress

- Catenary reinforcement prog. [2015-19]
- Balancer/SVC e320 interference:
  - software patch [2016-2017]
  - renewal [2016-2019]
- Signalling renewal studies [2017~2025]

- 24/1: RFreight 4427 DWD int.1 (41 Sh)
- 19/4: RFreight 4431 loco (20 Sh)
- 20/12: RFreight 4360 loco (23 Sh)
- 25/4: RP 9140 alarm (20 Sh)
- 18/12: RP 9008 traction/SVC (28 Sh)

- Tunnel measurement & control train
- Works train tunnel cleaning module
- Works train shunter renewal
- Security Command Centre (Coquelles)
- Rail Freight Scanner (Fréthun) [2017-18]

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