



Network Statement 2017 – Appendix 3.5A

Appendix 3.5A

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1 Introduction

1.1 About appendix 3.5A

The following is a guideline of the infrastructure works and capacity restrictions known at the time of the publication of Network Statement 2017.

Upcoming infrastructure works and capacity restrictions in connection to the Signaling Program as mentioned below are temporary. The final determination hereof will be published from time to time.

Rail Net Denmark reserves the right to change or cancel planned infrastructure works and projects based on political dissensions. The following is based on the political determination to complete the Ringsted Femern project as well as upgrading of the coastal line.

1.2 Principles in regards to infrastructure works and the capacity restrictions

Rail Net Denmark carries out infrastructure works and capacity reductions following major considerations:

The works are coordinated with the aim of ensuring best possible timetables for customers.

Signaling Program:

- ❖ Mainly evening / night possessions (besides the early deployment lines)
- ❖ One line at a time: East respectively West and S-train lines

Electrical Program:

- ❖ Primary night possessions (up to nine hours) in connection to preparatory work related to replacing bridges possession can occur
- ❖ One line at a time

Renewal projects:

- ❖ Single track operations on double-track lines; possessions can occur in mainly weekends / holidays

Construction of facilities and 3rd party projects - including speed upgrades:

- ❖ Coordinated in best possible solution with renewal projects

Coordination between S-train lines and main and regional lines

- ❖ Infrastructure work on the S-train lines and main and regional lines are coordinated to ensure accessibility for customers. It ensures that either S-train lines or main and regional lines are always ready for traffic operations when one of them are closed at the coincident lines between the S-train lines and main and regional lines.

2 Main and regional lines

Main and regional lines

Network Statement 2017

-  København H – Roskilde
F0102
-  Ringsted
F0103-F0112,
-  Næstved – Orehoved
F0201
-  Eskilstrup
F0213
-  Køge – Herfølge
F0401
-  Roskilde – Køge – Næstved
F0402-F0403
-  Vigerslev
F0602
-  Kystbanen
F1001 – F1003
-  Vejle – Langå
F2303
-  Aarhus H
F2302
-  Holstebro – Hjerm
F3101
-  Hornslet/Ryomgaard – Grenaa
F3602-F3603



ROUTE NO. 1

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F0102	Copenhagen H – Roskilde	Main line East, Signaling Program	Roll-out 2, East. Installation of point drive, testing and commissioning of changed interlocking. Expected order of stations: Hvidovre, Glostrup, Høje Taastrup east, Høje Taastrup West.	4 weekends	To be determined	Yet to be determined	All tracks in possession between Copenhagen H - Roskilde, both are excluded. Each of the four weekends is earmarked for a station area, but there will be performed installation works on the whole R2 in connection to this.	Rail Net Denmark (Signalling Program)	●

ROUTE NO. 1 & 2

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F0104	Ringsted	Ringsted 2018 FHH	Rebuilding track 5	14 days	1st quarter		Track 5 cannot be used	Rail Net Denmark (Copenhagen – Ringsted)	●
F0105	Ringsted – Næstved	Ringsted 2018 FHH	Used	2 x 3 days	1st quarter 3rd quarter		Partial cancellation of interlocking. Reduced operations (Bus Ringsted - Glumsø - Næstved)	Rail Net Denmark (Copenhagen – Ringsted)	●
F0106	Kværkeby - Ringsted	Ringsted 2018 FHH	Establishing track 22 and demounting of track 18	3 days	1st quarter		Left track operation in Kværkeby	Rail Net Denmark (Copenhagen – Ringsted)	●
F0107	Ringsted - Glumsø	Ringsted 2018 FHH	Restructure of track 3 and 4	75 days	2nd quarter		Left track operation between Ringsted - Glumsø	Rail Net Denmark (Copenhagen – Ringsted)	●
F0108	Ringsted	Ringsted 2018 FHH	Mounting the bridge's center as well as work at the platform. Track 3 and 4 blocked to the west (Ringsted Å)	75 days	2nd quarter		Platform at track 4 can be used to turn to / from Roskilde (max. 150 m.) Trains to / from Fjenneslev, traveling to tracks 5-15 traversed from the East	Rail Net Denmark (Copenhagen – Ringsted)	●
F0109	Ringsted	Ringsted 2018 FHH	Connecting track 5 and track 34b	14 days	3rd quarter		There may be reversal in track 5 to / from Roskilde	Rail Net Denmark (Copenhagen – Ringsted)	●
F0110	Ringsted	Ringsted 2018 FHH	Mounting the bridge south (Ringsted Å)	75 days	3rd quarter		Access to track 109 to 112 in possession	Rail Net Denmark (Copenhagen – Ringsted)	●
F0111	Ringsted	Ringsted 2018 FHH	Mounting the bridge north, as well as work at the platform	75 days (accumulated for both F0111 and F0112)	4th quarter		Track 1 in possession; track 2 can be used to / from Roskilde (max. 150 m.)	Rail Net Denmark (Copenhagen – Ringsted)	●
F0112	Ringsted	Ringsted 2018 FHH	Rebuilding of the switch 7 and approximately 1 kilometer track	75 days (accumulated for both F0111 and F0112)	4th quarter		Track 1 in possession; track 2 can be used to / from Roskilde (max. 150 m.)	Rail Net Denmark (Copenhagen – Ringsted)	●

ROUTE NO. 2

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F0213	Eskilstrup	Bridge	Track 2 closed	Entire 2017	-	-	Time loss worked into K17	Rail Net Denmark (Ringsted-Femern)	

ROUTE NO. 4

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F0401	Køge	Southern under passing at Kulturtorvet	Establishing greater underpass to replace ovk 115. The South End of Køge removed	2 x 56 days	June - September	Project planning and optimization is ongoing.	<p>Stage 1: Possessions at track 4 and 5 in 56 days: Crossing of regional trains must be at the neighboring station. Lokalbanen must reverse in track 2.</p> <p>Stage 2: The possession of track 2 and 3 in 56 days: Crossing of regional relocation of the neighboring station facing the tracks.</p>	Køge Coast P/S	
F0402	Roskilde – Køge – Næstved	Main line East, Signaling Program	<p>Early deployment line East.</p> <p>Software updates including utilization</p>	4 weekends	1st quarter	Yet to be determined	Total possession of Roskilde-Køge - Næstved. The entire part of the main and regional line is in possession. In Roskilde and Næstved expected operations on ROUTE NO. 1, 2 and 5 are partially maintained.	Rail Net Denmark (Signaling Program)	
F0403	Roskilde – Køge – Næstved	Main line East, Signaling Program	<p>Early deployment line East.</p> <p>Early test for Final Acceptance of EDL.</p>	2 weekends	3rd quarter	Yet to be determined	Possessions between Roskilde-Køge-Næstved. The entire part of the main and regional line is in possession. In Roskilde and Næstved expected operations on ROUTE NO. 1, 2 and 5 are partially maintained.	Rail Net Denmark (Signaling Program)	

ROUTE NO. 6 & 11

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F0602	Vigerslev	Den Ny Bane Copenhagen - Ringsted	Connecting Copenhagen - Ringsted, loading of new cross over between Vigerslev and Kalvebod and rebuilding the OCL and interlocking	4 weekends	2nd half	-	Reduced operations for four weekends. Four hours each night in the weekends all tracks are in possessions.	Rail Net Denmark (Copenhagen - Ringsted)	●

ROUTE NO. 10

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F1001	Hellerup – Helsingør	Kystbanen	Maintenance/replacement of 10-25 bridges. 53 switches and about 20 km of tracks.	Ascension + Pentecost 28 days 21 days	A: Both tracks blocked Klampenborg – Rungsted B: Both tracks blocked Rungsted - Helsingør C: Some C Hellerup – Helsingør on multiple tracks	25/5 – 28/5 +3/6 – 5/6 During weeks 26-31 (school summer break) Summer	A: No operations Klampenborg - Rungsted B: No regional trains Rungsted-Helsingør Lokaltog A/S's trains must reverse at Kvistgård/Mørdrup in the first week; otherwise in Snekkersten C: Reduced operations Copenhagen – Helsingør. Lokaltog A/S's trains must reverse in Snekkersten.	Rail Net Denmark + 3th party	●
F1002	Østerport – Helsingør	Kystbanen	Hastighedsopgradering	2017	To be determined	To be determined	To be determined	Rail Net Denmark + 3th party	●
F1003	Copenhagen H – Østerport	Kystbanen	Replacement of track- and sleepers Copenhagen – Østerport. Regional and main lines.	2017	To be determined	To be determined	To be determined	Rail Net Denmark + 3th party	●

ROUTE NO. 23 & 24

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F2303	Vejle – Langå	Fjernbane Vest, Signalprogrammet	Roll-out 1, West. Installation, testing and commissioning of components.	2 weekends		2017	To be determined Possessions in parts of the line	Rail Net Denmark (Signaling Program)	●

ROUTE NO. 23 & 24 & 36

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F2302	Aarhus H	Preparatory work connection. Electrification program rollout	Bridge works	2 – 3 weekend block (min. 56 hours)		4th quarter	Reduced operations Bridge maintenance. (Possibly single track operation in connection to neighboring sections)	Rail Net Denmark (Electrification Program)	●

ROUTE NO. 31

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F3101	Holstebro – Hjerm	Highway bridge building works km 189,27	Construction of a new highway bridge	15 days		May	Possession of track	The Danish Road Directorate	●

ROUTE NO. 36

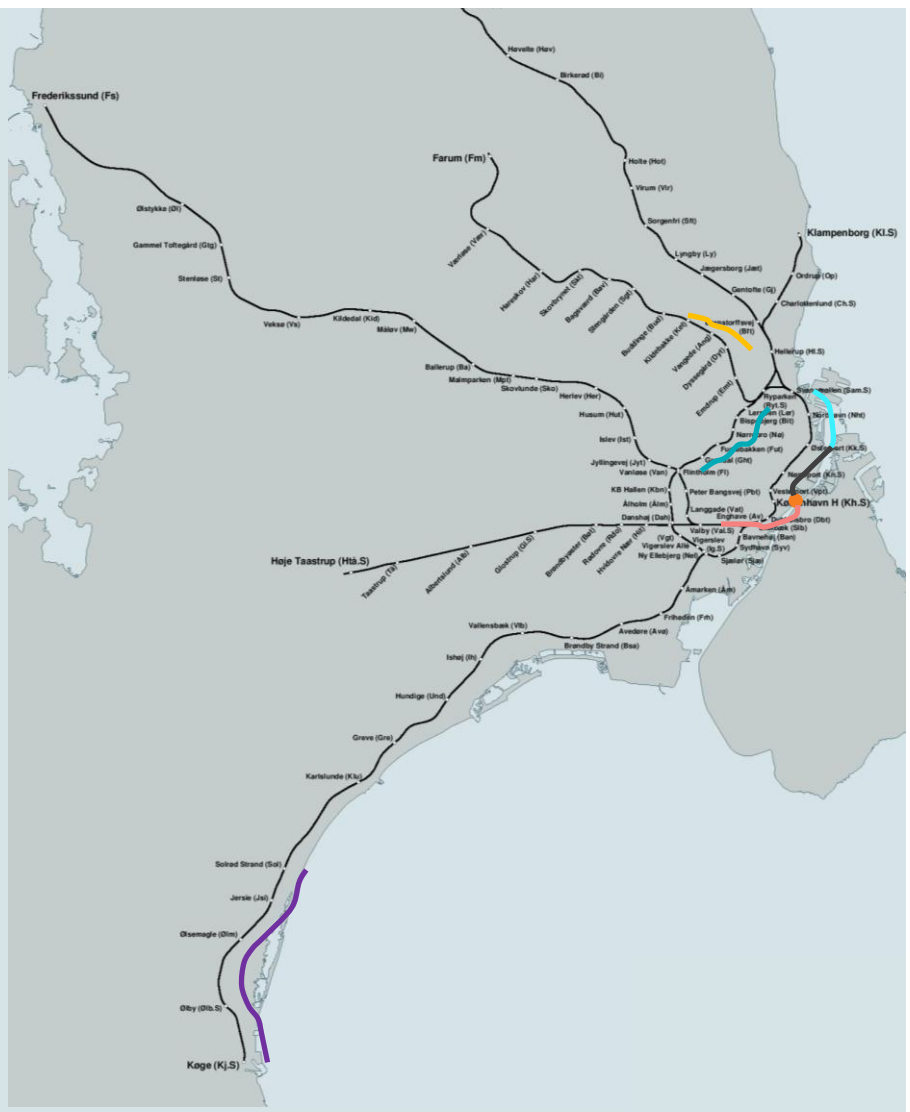
#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
F3602	Ryomgaard – Grenaa	NFBR0382 Ryomgaard-Grenaa	Replacement of bridge 22360	7 days		To be determined	Possession of track	Rail Net Denmark	●
F3603	Hornslet – Grenaa		Track renewal	90 days		2/7 – 1/10	Possession of track	Rail Net Denmark	●

3 S-train lines

S-train lines

Network Statement 2017

- København H – Valby
S8101
- København H
S8102
- Østerport – Svanemøllen
S8203
- København H – Østerport
S8204
- Dyssegård – Buddinge
S8401 – S8403
- Solrød Strand – Køge
S8501
- Flintholm – Lersøen
S8801



ROUTE NO. 810

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
S8101	Copenhagen H - Valby	Valby-Svanemøllen	Isolation, points, rails/sleepers and ballast	35-42 days	Summer/fall	To be determined	Single track operations Valby-Copenhagen H og Køge - Copenhagen H	Rail Net Denmark	●
S8102	Copenhagen H	Valby-Svanemøllen	Maintenance/exchange of lineup track at Copenhagen H	28-35 days	Fall		Closed depot West. Possibly two tracks at a time. Passengers are not affected.	Rail Net Denmark	●

ROUTE NO. 820

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
S8203	Østerport – Svanemøllen	Valby-Svanemøllen	Points, rails/sleepers and ballast	10-14 days	Summer	To be determined	Both tracks in possession Østerport-Svanemøllen. Train from Copenhagen H must reverse at Østerport.	Rail Net Denmark	●
S8204	Copenhagen H - Østerport	Valby-Svanemøllen	Points, rails/sleepers and ballast Hsp. 4, track 12 on Copenhagen H, Boulevardtunnellen, Vesterport T.	21 days	Spring/Summer	To be determined	Both tracks in possession Copenhagen H-Østerport. Trains must reverse at Copenhagen H and Svanemøllen.	Rail Net Denmark	●

ROUTE NO. 840

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
S8401	Dyssegård – Buddinge	Letbane on Ring 3	Establishment of: - New path bridge (pushed-tunnel) under Farum line	Track 2 blocked 8 days.	Spring	To be determined	20 min operations on track B, 10 min operation Høje Taastrup to Svanemøllen. Line H must reverse at Østerport.	Hovedstadens Letbane	●
S8402	Dyssegård – Buddinge	Letbane on Ring 3	Establishment of: - New path bridge (pushed-tunnel) under Farum line	Track 1 blocked 8 days	Spring	To be determined	20 min operation on track B, 10 min operation Høje Taastrup to Svanemøllen. Line H must reverse at Østerport.	Hovedstadens Letbane	●
S8403	Dyssegård – Buddinge	Gentofterenden	Establishment of: - new sewer (tunnel) under Farum line	2 weekends	1st half of the year	To be determined	Both tracks in possession. Coordination provided with the above	Nordvand A/S	●

ROUTE NO. 850

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
S8501	Solrød Strand – Køge	Køge Nord Station, TP49	Dismantling of workflow bridges over the field, closing holes in the building envelope etc.	Weekend	Spring	3/3 – 6/3	All tracks in possession at Solrød Strand.- Køge st.	Rail Net Denmark (Copenhagen – Ringsted)	●

ROUTE NO. 880

#	Line	Project	Description	Expected duration	Expected period of time	Expected dates	Consequences	Client	
S8801	Flintholm – Lersøen	Bro 11632	Moisture control , walkway , railings, new grout , new rails with Edilon - Sadra embedded rail system etc.	7 days	Summer/fall	To be determined	All tracks in possession at Flintholm-Lersøen.	Rail Net Denmark	●