

Table 3 - price information to be published as referred to in Article 4 point (a)

AT00BUWOG001

XETR

2018-11-30

	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
Time (T)		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000APOST4

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT00000AMAG3

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT00000FACC2

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000603709

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000606306

XETR

2018-11-30

	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
Time (T)		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000609607

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000			20,30	2018-11-30 10:15:32	853	*)	Trade Reporting	electronic	
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000641352

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000644505

XETR

2018-11-30

	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
Time (T)		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000652011

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000652250

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000720008

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000730007

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000743059

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000746409

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000809058

XETR

2018-11-30

	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
Time (T)		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000818802

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000821103

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000827209

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000831706

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000834007

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000837307

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000908504

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000922554

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000937503

XETR

2018-11-30

	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
Time (T)		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000946652

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

AT0000969985

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000			17,86	2018-11-30 16:35:42	7.983	*)	Trade Reporting	electronic	
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

DE000A1PHFF7

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000			60,32	2018-11-30 12:38:28	17.915	*)	Trade Reporting	electronic	
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000			60,82	2018-11-30 15:21:19	1.885	*)	Trade Reporting	electronic	
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

DE000A2AADD2

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000									
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000									
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000									
15:30:00	50000-60000									
15:30:00	>60000									

*) Continuous Quote driven

Table 3 - price information to be published as referred to in Article 4 point (a)

NL0011375019

XETR

2018-11-30

Time (T)	Size Range	All Trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
		Simple Average executed price (excluding commissions and accrued interests)	Total Value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading Platform	best bid and offer or suitable reference price at time of execution
09:30:00	<50000									
09:30:00	50000-60000									
09:30:00	>60000									
11:30:00	<50000			0,12	2018-11-30 11:57:51	3.585	*)	Trade Reporting	electronic	
11:30:00	50000-60000									
11:30:00	>60000									
13:30:00	<50000			0,12	2018-11-30 13:48:06	1.262	*)	Trade Reporting	electronic	
13:30:00	50000-60000									
13:30:00	>60000									
15:30:00	<50000			0,12	2018-11-30 15:53:47	949	*)	Trade Reporting	electronic	
15:30:00	50000-60000									
15:30:00	>60000									

*) Continous Quote driven