# The Dutch PPI for Operational Car Lease

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Operational car lease: the long term provision of a car of a guaranteed quality.

The most interesting aspect for a price statistician is the form of payment: the monthly fees are constant during the entire lease-term.

#### Two indices are possible:

- 1) An index of the price levels at which new contracts are closed, the 'New Contract Index'.
- 2) The true PPI, based on the prices of the entire lease fleet.



#### **Option 1. The New Contract Index**

The only new prices in the market are those of new contracts, because once set, the monthly fee stays fixed for the entire lease-term.

This monthly fee is the only price; no other prices exist.

Market parties consider as price movement: the change of the price level at which new contracts are concluded.



#### **Option 2. The true PPI**

A true PPI is based on all transactions that take place in the respective periods.

For operational lease, transactions pertain not only to the contracts that are closed in the respective periods but also to contracts from previous survey periods that are still running.

There are true prices related to these older contracts, although the prices are not new and do not change.

Therefore, the PPI has to take all running contracts (the total lease fleet) into consideration.



		Contracts running	
Generation of cars	Price level	T = 4	T = 6
1	100		
2	100	X	
3	104	X	
4	108	X	X
5	105		X
6	108		X
7	109		



# **Option 1. The New Contract Index**

# Price movement is the change of price of car generation 4 to generation 6

		Contracts running	
Generation of cars	Price level	T = 4	T = 6
1	100		
2	100	X	
3	104	X	
4	108	X	X
5	105		X
6	108		X
7	109		



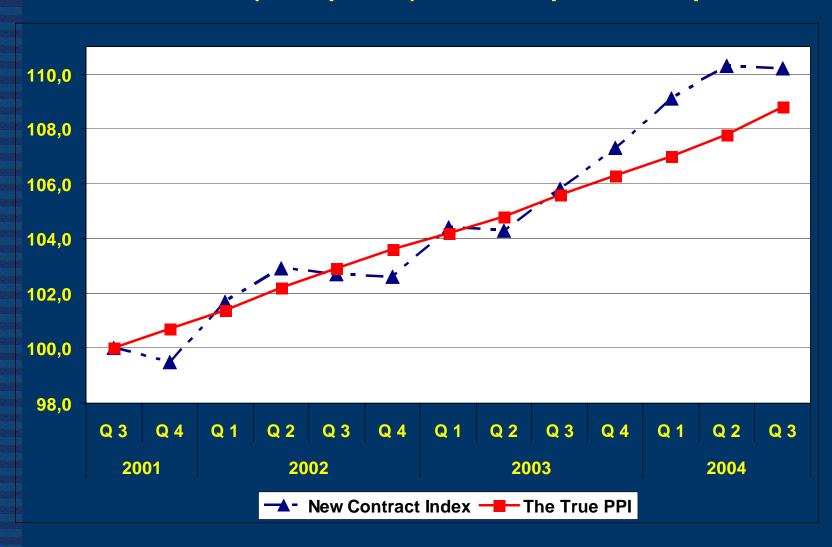
### **Option 2. The true PPI**

# Comparison of the average price in periods 4 and 6

		Contracts running	
Generation of cars	Price level	T = 4	T = 6
1	100		
2	100	X	
3	104	X	
4	(108)	X	X
5	105		X
6	(108)		X
7	109		
Average price of all running contracts		104	107



Car lease index (2001q3=100), the two options compared.





# Conclusion

There are two valuable indices, based on different concepts:

- The New Contract Index is based on the price levels at which new contracts are closed. This index reflects market parties' perception of price movement.
- The true PPI is based on the prices paid under all running lease contracts.

Only the true PPI includes all transactions.

The true PPI agrees with SNA'93, as services enter the index when provided, i.e. continuously during the entire multi-year lease-term.

