



# OBI Price Information Feed

## Product Specification

### Equities

Version 1.0 / 05.07.1999



OSLO BØRS INFORMASJON AS

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# 1 Product Specification

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## 1.1 Scope

The OBI Price Information Feed product for equities provides information concerning the following instrument types:

- Shares
- Primary Capital Certificates (PCC)
- Warrants.

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## 1.2 Record Definition

### 1.2.1 Data types

These are the definitions of the datatypes used in the record layout:

Data type	Description
Date	Encoded as YYYYMMDD
Integer	Integer with maximum value $2^{31}$
Char(n)	Trimmed string of printable characters (ISO8859-1) with maximum length n
Decimal(n)	Decimal number with precision n

### 1.2.2 Record layout

Field Name	Data Type	Description
Trade Date	Date	Trade Date
Security Id	Integer	Unique number identifying the security
Symbol	char(16)	Local code, sometimes referred to as ticker symbol
ISIN	char(12)	ISIN number
Security Name	char(34)	Full name of security
Bid	Decimal(2)	Best bid price
Offer	Decimal(2)	Best offered price
Open	Decimal(2)	First official trade
High	Decimal(2)	Highest official trade price
Low	Decimal(2)	Lowest official trade price
Last	Decimal(2)	Last official trade
Off. Share Turnover	Decimal(0)	Official number of shares traded
Off Turnover	Decimal(2)	Official turnover by value (NOK)

Non-off. Share Turnover	Decimal(0)	Non-official number of shares traded Includes all non-official trades
Non-off. Turnover	Decimal(2)	Non-official turnover by value (NOK). Includes all non-official trades
List name (Norwegian)	Char(60)	The list at OSE that the security belongs to, given in Norwegian, e.g. Hovedliste, SMB-liste, Grunnfondsbevis
Sector (Norwegian)	Char(60)	Sector name in accordance with the industry classification used by Oslo Stock Exchange, given in Norwegian
List name (English)	Char(16)	The list at OSE that the security belongs to, given in English, e.g. Main list, SMB list or PCC list
Sector (English)	Char(16)	Sector name in accordance with the industry classification used by Oslo Stock Exchange, given in English

### 1.2.3 Sort criteria

The list is sorted alphabetically within each group of List name and Sector.

## 1.3 Distribution methods

The price information in each of these modules can be provided through the following channels:

- e-mail
- file transfer protocol (ftp get).

For providing the information through email we require only one email-address for the receiver of the information. OBI produces the information and sends it to the pre-defined receiver.

For use of FTP we require a permanent ip-address. OBI produces the information and stores it in a file in dedicated customer accounts on our distribution server. The customer is then responsible for retrieving the files(s). The account on the distribution server is provided by OBI when registration for a product is done.

## 1.4 File format

The files produced for both email and ftp are pure text files. The fields in the file are separated by [TAB]. Null observations are indicated by empty fields, i.e. [TAB][TAB].

## 2 Example

19990526	15420	AVA	NO0003049702	Avantor	58	58,5	55,5	58	55,5	58	3800	211400	33	1914	Aksjer hovedlisten	Oslo Børs	Eiendom	Main-list	Property	
19990526	6043	BBA	NO0003002503	Bergensbanken	113	114	116,5	116,5	112,5	113,5	76200	8669800	45468	5115694	Aksjer hovedlisten	Oslo Børs	Finans	Main-list		
Finance																				
19990526	6035	BNB	NO0005139402	Bolig- og Næringsbanken	197	198	198	199	197	198	16800	3328400			Aksjer hovedlisten	Oslo Børs		Finans		
Main-list																				
19990526	6076	EKJ	NO0003042202	Elkjøp	103	105	105	103	103	1300	134300	276	28813	Aksjer hovedlisten	Oslo Børs	Handel	Main-list	Commerce		
19990526	15119	GRE	NO0003046401	Gresvиг	60	64	64	64	64	2000	128000			Aksjer hovedlisten	Oslo Børs	Handel	Main-list	Commerce		
19990526	16944	AMA	NO0003062507	Aker Maritime	82,5	83	83	87,5	82	83	101100	8426900			Aksjer hovedlisten	Oslo Børs	Industri	Main-list		
Manufacturing																				
19990526	6007	AKE	NO0003514002	Aker RGI A	105	107,5	102	105	102	105	3700	387300	110	11495	Aksjer hovedlisten	Oslo Børs	Industri	Main-list		
Manufacturing																				
19990526	6006	AFK	NO0003572802	Arendals Fossekomp ani		400	365	375	365	375	2080	779200			Aksjer hovedlisten	Oslo Børs		Industri		
Main-list																				
19990526	6032	BJF	NO0003666604	Bjølvefossen	69	79									Aksjer hovedlisten	Oslo Børs	Industri	Main-list		
Manufacturing																				
19990526	6065	DNO	NO0003921009	DNO	14,3	14,5	12,7	14,5	12,7	14,5	748000	10197000		230500	2951250	Aksjer hovedlisten	Oslo Børs	Industri	Main-list	
Manufacturing																				
19990526	16194	AGR	NO0003052508	Agresso Group	22,2	22,5	22	22,5	22	22,5	144200	3217780			Aksjer hovedlisten	Oslo Børs		IT og kommunikasjon		
Main-list																				
19990526	6001	AAV	NO0003502809	Adresseavisen	370	390									Aksjer hovedlisten	Oslo Børs		Media og		
forlagsvirksomhet																				
19990526	15856	APR	NO0005014001	A-pressen		120									Aksjer hovedlisten	Oslo Børs		Media og		
forlagsvirksomhet																				
19990526	6108	GYL	NO0004288200	Gyldental	303	325	303	303	303	100	30300			Aksjer hovedlisten	Oslo Børs		Media og			
forlagsvirksomhet																				
19990526	6019	AWS	NO0003083107	Awilco A	14,6	15,5	15,75	15,75	15,3	15,3	30000	466900			Aksjer hovedlisten	Oslo Børs	Offshore	Main-list		
Offshore																				
19990526	6020	AWSB	NO0003083115	Awilco B	15	15,5	15,8	15,8	15,5	15,5	15000	235500	72	1138	Aksjer hovedlisten	Oslo Børs	Offshore	Main-list		
Offshore																				
19990526	15391	ACL	SE0000245409	Atlantic Container Line	80	81	82	82	80	81	16300	1316500			Aksjer hovedlisten	Oslo Børs		Shipping		
Main-list																				
19990526	6026	BEL	NO0003094104	Belships Co.	5	6	5	6	5	6	10000	52000	2000	10000	Aksjer hovedlisten	Oslo Børs		Shipping	Main-list	
Shipping																				
19990526	6041	BRA	NO0003044703	Braathens	30	31	30,5	31	30	30	4800	145700			Aksjer hovedlisten	Oslo Børs		Transport		
Main-list																				
19990526	6116	HES	NO0004378902	Helicopter Services Gr.	44,6	45,5	45,5	45,5	45,5	45,5	4000	182000	208000	9360000	Aksjer hovedlisten	Oslo Børs		Transport		
Transport																				
Main-list																				



19990526	6085	ASI	NO0003021909	Askia Invest	1,6	1,9											Aksjer hovedlisten	Oslo Børs	Annen virksomhet			
	Main-list	Other																				
19990526	6034	BLO	NO0003679102	Blom	17	17,4	16,3	17,5	16,3	17	15000	259300					Aksjer hovedlisten	Oslo Børs	Annen virksomhet			
19990526	23730	KBK	NO0003028300	KredittBanken			31	30	30	30	30	4200	126000					Aksjer SMB	Oslo Børs	Finans	SMB	Finance
19990526	15905	ORC	NO0003051906	Oslo Reinsurance Co			309	313	309	309	309	309	7000	2163000				Aksjer SMB	Oslo Børs	Finans	SMB	
	Finance																					
19990526	6306	VVL	NO0003025009	Voss Veksel	1025	1250											Aksjer SMB	Oslo Børs	Finans	SMB	Finance	
19990526	6004	ADE	NO0003031809	Adelsten Holding A		84											Aksjer SMB	Oslo Børs	Handel	SMB		
	Commerce																					
19990526	27028	AFG	NO0003078107	AF Gruppen A			180	170	180	170	180	6000	1070000				Aksjer SMB	Oslo Børs	Industri	SMB	Manufacturing	
19990526	27029	AFGB	NO0003078115	AF Gruppen B			110	110	110	110	110	100	11000				Aksjer SMB	Oslo Børs	Industri	SMB	Manufacturing	
19990526	16260	ALP	NO0003054744	Alphatron Industrier			0,56	0,57	0,57	0,57	0,56	0,56	1910000	1076200	9000	5090	Aksjer SMB	Oslo Børs	Industri	SMB		
	Manufacturing																					
19990526	6274	AVE	NO0005598706	Avenir	32,5	33	32,5	33	32,5	33	7500	245650	1146	37245	Aksjer SMB	Oslo Børs	IT og kommunikasjon	SMB	IT,			
	communicat.																					
19990526	16323	CAG	NO0005015602	Computer Advances			11	12,5									Aksjer SMB	Oslo Børs	IT og kommunikasjon			
	SMB	IT, communicat.																				
19990526	6265	STA	NO0005493601	Stavanger Aftenblad			70	75									Aksjer SMB	Oslo Børs	Media og			
forlagsvirksomhet	SMB	Media, publish.																				
19990526	15933	BRO	NO0003015901	Brøvig Offshore	30	32											Aksjer SMB	Oslo Børs	Offshore	SMB	Offshore	
19990526	28920	DOF	NO0003082901	District Offshore	5,7	5,9	5,7	5,85	5,7	5,7	70000	401700	1240	7068	Aksjer SMB	Oslo Børs	Offshore	SMB	Offshore			
19990526	6161	MIIF	BMG582061062	MIF		136											Aksjer SMB	Oslo Børs	Shipping	SMB	Shipping	
19990526	28036	SWR	NO0003089609	Swan Reefer			20										Aksjer SMB	Oslo Børs	Shipping	SMB	Shipping	
19990526	6036	BNR	NO0003099608	Bergen Nordh. Rutelag			130	135									Aksjer SMB	Oslo Børs	Transport	SMB		
	Transport																					
19990526	6090	FOS	NO0003168908	Fosen Trafikklag	230	270											Aksjer SMB	Oslo Børs	Transport	SMB		
	Transport																					
19990526	28578	AIK	NO0003075004	Aktiv Kapital	20	23,5											Aksjer SMB	Oslo Børs	Annen virksomhet			
19990526	16215	ALV	NO0003050304	Alvern	2,75	3,05	3,1	3,15	3,1	3,15	10000	31300					Aksjer SMB	Oslo Børs	Annen virksomhet	SMB	Other	
19990526	34079	AURG	NO0006001601	Aurskog Sparebank			125										Grunnfondsbevis	Oslo Børs	Grunnfondsbevis	PCC	PCC	
PCC																						
19990526	34080	HOLG	NO0006001700	Hol Sparebank	99	100											Grunnfondsbevis	Oslo Børs	Grunnfondsbevis	PCC	PCC	