

Specifications guide

Asia-Pacific petrochemicals

Latest update: July 2019

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DEFINITIONS OF THE TRADING LOCATIONS FOR WHICH PLATTS PUBLISHES DAILY INDEXES OR ASSESSMENTS

The following specifications guide contains the primary specifications and methodologies for Platts petrochemical assessments throughout the Asia Pacific region. All the assessments listed here employ Platts assessment methodology, as published at https://www.spglobal.com/platts/plattscontent/_assets/_files/en/our-methodology/methodology-specifications/platts-assessments-methodology-guide.pdf.

These guides are designed to give Platts subscribers as much information as possible about a wide range of methodology and specification questions.

This guide is current at the time of publication. Platts may issue further updates and enhancements to this guide and will announce these to subscribers through its usual publications of record. Such updates will be included in the next version of this guide. Platts editorial staff and managers are available to provide guidance when assessment issues require clarification.

OLEFINS

Assessment	CURRENCY	CODE	Mavg	Wavg	CONTRACT		LOCATION	DELIVERY PERIOD	MAX		UOM	CONV CODE	PC Page	
					TYPE	BASIS			MIN	SIZE			SIZE	Mavg
Ethylene														
Ethylene CFR NE Asia Weekly	USD	AAOUZ05	AAOUZ03		Spot	CFR	Northeast Asia	20-40 days forward from date of publication	2,500	3,500	MT		440	238
Ethylene CFR NE Asia	USD	AAOTM00	AAOTM03	AAOTM05	Spot	CFR	Northeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	550		238,302
Ethylene CFR NE Asia Weekly	USD	AAOUZ00	AAOUZ03		Spot	CFR	Northeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	302	440	238
Ethylene CFR SE Asia	USD	AAOTN00	AAOTN03	AAOTN05	Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	550		238,302
Ethylene CFR SE Asia Weekly	USD	PHAJH00	PHBGF03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	302	440	
Ethylene FOB Korea	USD	PHAJB00	PHBGD03		Spot	FOB	South Korea	20-40 days forward from date of publication	2,500	3,500	MT	302	440	
Propylene														
Propylene Poly Grade FOB Korea	USD	AAUXJ00	AAUXJ03	AAUXJ01	Spot	FOB	South Korea	20-40 days forward from date of publication	1,500	1,500	MT	694/238/531	440	310/238
Propylene Poly Grade CFR China	USD	AAWVK00	AAWVK03	AAWVK04	Spot	CFR	China	20-40 days forward from date of publication	1,500	1,500	MT	694/531	440	310/238
Propylene Poly Grade CFR China Weekly	USD	AAHQU00	AAICS00		Spot	CFR	China	20-40 days forward from date of publication	1,500	1,500	MT	310/238		
Propylene Poly Grade CFR Taiwan Weekly	USD	PHAKQ00	PHBGM03		Spot	CFR	Taiwan	20-40 days forward from date of publication	1,500	1,500	MT	310/238	440	
Propylene Poly Grade CFR SE Asia Weekly	USD	PHAKR00	PHBGN03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	1,500	1,500	MT	310/238	440	
Propylene Poly Grade FOB Japan Weekly	USD	PHAKO00	PHBGO03		Spot	FOB	Japan	20-40 days forward from date of publication	1,500	1,500	MT	310/238	440	
Propylene domestic east China	CNY	AAWYC00	AAWYC03		Spot	Ex-tank	China	0-10 days	100	500	MT	694	440	
Propylene domestic shandong China	CNY	AAWYB00	AAWYB03		Spot	Ex-tank	China	0-10 days	100	500	MT	694	440	
Butadiene														
Butadiene FOB Korea	USD	AAWMM00	AAWMM03	AAWMM04	Spot	FOB	South Korea	20-40 days forward from date of publication	1,500	5,000	MT	542, 718		238, 314
Butadiene FOB Korea Weekly	USD	PHAKE00	PHBGP03		Spot	FOB	South Korea	20-40 days forward from date of publication	1,500	5,000	MT	314, 238	440	
Butadiene CFR China	USD	AAWNL00	AAWNL03	AAWNL04	Spot	CFR	China	20-40 days forward from date of publication	1,500	5,000	MT	542, 718		238, 314
Butadiene CFR China weekly	USD	AAOT000	AAOT003		Spot	CFR	China	20-40 days forward from date of publication	1,500	5,000	MT	314, 238		
Butadiene China domestic (ex-tank)	CNY	AAWJU00	AAWJU03		Spot	Ex-tank	China	0-10 days	200	500	MT	718	440	
Butadiene CFR Northeast Asia	USD	BTNEA00	BTNEA03	BTNEA04	Spot	CFR	Northeast Asia	20-40 days forward from date of publication	1,500	5,000	MT	718, 542	440	238, 314

OLEFINS

Assessment	CURRENCY	CODE	Mavg	Wavg	CONTRACT			DELIVERY PERIOD	MAX		CONV CODE	PC Page	
					TYPE	BASIS	LOCATION		MIN	SIZE		UOM	Mavg
Butadiene CFR Northeast Asia weekly	USD	BTWEA04			Spot	CFR	Northeast Asia	20-40 days forward from date of publication	1,500	5,000	MT	314, 238	
Butadiene CFR Taiwan weekly	USD	PHAKJ00	PHBGQ03		Spot	CFR	Taiwan	20-40 days forward from date of publication	1,500	5,000	MT	314, 238	440
Butadiene CFR SE Asia weekly	USD	PHAKK00	PHBGR03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	1,500	5,000	MT	314, 238	440
Monoethylene Glycol (MEG)													
MEG CFR China \$/MT	USD	AAWAX00	AAWAX03	AAWAX04	Spot	CFR	China	15-30 days forward from the date of publication	1,000	3,000	MT	735	440 306
MEG CFR China \$/Mt Wk	USD	AAEZG00			Spot	CFR	China	15-30 days forward from the date of publication	1,000	3,000	MT	306	
MEG CFR China \$/MT monthly average	USD		AAGJV00		Spot	CFR	China	15-30 days forward from the date of publication	1,000	3,000	MT		
MEG CFR SEAsia	USD	PHAKV00	PHBGJ03		Spot	CFR	Southeast Asia	15-30 days forward from the date of publication	1,000	3,000	MT	306	440
MEG Dom China X-Tank Dly	CNY	AAWJB00	AAWJB03		Spot	Ex-tank	China	to be loaded 0-10 days from the date of publication	50	100	MT	735, 306	
MEG MEGlobal CP	USD	AAUOA00			CP nomination	CFR	Asia				MT	306	
MEG Sabic CP nomination	USD	AAUOB00			CP nomination	CFR	Asia				MT	306	
MEG Shell CP nomination	USD	AAUOC00			CP nomination	CFR	Asia				MT	306	

Olefins

Ethylene (C2)

Assessment window: Daily assessments CFR Northeast Asia and CFR Southeast Asia, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments FOB Korea, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments CFR Northeast Asia and CFR Southeast Asia are published on Fridays.

Timing: Cargoes loaded (FOB) or delivered (CFR) 20-40 days forward from date of publication.

Basis and locations: FOB Korea: Daesan, Ulsan, Yeosu; CFR Southeast Asia: Indonesia (Merak), Philippines (Manila Bay anchorage, barge cost not included), Thailand (Map Ta Phut); Malaysia (Pasir Gudang, Kertih); CFR Northeast Asia: Korea (Daesan, Ulsan, Yeosu), Taiwan (Kaohsiung, Mailiao), Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); China (Shanghai, Ningbo, Nantong)

Cargo size: 2,500-3,500 mt.

Terms and conditions: FOB Korea, CFR Northeast Asia and CFR Southeast Asia are assessed up to 30 days. For deals with

usage of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: Minimum purity of 99.9%.

Propylene (C3)

Assessment window: Daily assessments FOB Korea and CFR China, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR Taiwan, CFR Southeast Asia and FOB Japan, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea and CFR China

are published on Fridays.

Timing: Cargoes loaded (FOB) or delivered (CFR) 20-40 days forward from date of publication. China domestic: 0-10 days from date of publication

Basis and locations: FOB Korea: Daesan, Onsan, Ulsan, Yeosu; CFR Taiwan: Kaohsiung, Keelung, Mailiao, Taichung; CFR Southeast Asia: Indonesia (Merak, Batam, Surabaya), Philippines (Manila Bay anchorage, barge cost not included), Malaysia (Kertih, Kuantan, Pasir Gudang, Port Dickson), Singapore, Thailand (Bangkok, Sri Racha, Map Ta Phut); CFR China: Shanghai, Ningbo, Nantong; FOB Japan: Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki.

Cargo size: Standard pressurized cargoes of 1,500 mt. Larger refrigerated cargoes may be normalized to equivalent pressurized cargo prices. China domestic: 100-500 mt

Terms and conditions: FOB Korea, CFR Taiwan, CFR Southeast Asia and CFR China are assessed up to LC 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. China domestic: Assessed at-sight basis with cash payment. Daily China domestic price in Yuan/mt ex-tank east China and Shandong China is inclusive of the prevailing value added tax .

Quality specifications: Polymer grade with minimum purity of 99.6%.

Butadiene (C4)

Assessment window: Daily assessments FOB Korea, CFR China, and CFR Northeast Asia are based on latest information sourced from the market up to the close of the assessment window

at 4:30pm Singapore time (0830 GMT). Weekly assessments CFR Taiwan and CFR Southeast Asia are based on the latest information sourced from the market up to the close of the assessment window at 4:30pm Singapore time (0830 GMT) on Fridays. Weekly averages of FOB Korea, CFR China and CFR Northeast Asia are published on Fridays.

Timing: Cargoes loaded (FOB) or delivered (CFR) 20-40 days forward from date of publication.

Basis and locations: FOB Korea and CFR Northeast Asia: Daesan, Ulsan, Yeosu; Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); CFR Taiwan: Mailiao, Kaohsiung; CFR Southeast Asia: Indonesia (Merak); Thailand (Map Ta Phut, Rayong); Malaysia (Penang); CFR China: Nantong, Tianjin, Dalian, Shanghai, Ningbo, Guangzhou.

Cargo size: FOB Korea, CFR China, CFR Taiwan, CFR Southeast Asia, CFR Korea, CFR Japan: 1,500-5,000 mt. China Domestic: 200-500 mt.

Terms and conditions: FOB Korea, CFR Taiwan, CFR Southeast Asia, CFR Northeast Asia and CFR China are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. China domestic: Assessed at-sight basis with cash payment. Daily China domestic price in Yuan/mt is ex-tank basis inclusive of the prevailing value added tax

Quality specifications: Minimum purity of 99.5%. Dimer content maximum 1,000 ppm.

Monoethylene Glycol (MEG)

Assessment window: Daily assessments CFR China and China

domestic price, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR Southeast Asia, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly average of daily CFR China assessments, published on Friday. Nominated contract prices basis CFR Asia are published on Friday.

Timing: CFR China, CFR Southeast Asia cargoes delivered 15-30 days forward from date of publication. China domestic cargoes to be loaded 0-10 days forward from date of publication.

Basis and locations: CFR Southeast Asia: Malaysia (Port Klang), Thailand (Map Ta Phut, Bangkok); CFR China: Taicang, Jiangyin, Nantong, Ningbo, Zhangjiagang. China domestic: Ex-tank Nantong, Taicang, Jiangyin, Zhangjiagang.

Cargo size: CFR China, CFR Southeast Asia: 1,000 mt. China Domestic: 50-100 mt. Terms and conditions: CFR Southeast Asia and CFR China are assessed as of 90 days credit. For deals with usance greater or less than 90 days, the value of the credit will be factored out for price assessment. China domestic ex-tank assessments include prevailing value added tax.

Standard operation procedures: Market participants should specify for a half-month date range at the time of submitting a bid or offer for publication. The buyer is to declare delivery port 15 days prior to the first day of the delivery period. The seller is to nominate the vessel 10 days prior to the first day of the delivery laycan.

Quality specifications: Fiber grade with minimum purity of 99.8%.

AROMATICS

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Assessment	CURRENCY	CODE	Mavg	Wavg	CONTRACT			DELIVERY PERIOD	MAX		UOM	CONV CODE	Mavg	Wavg
					CONTRACT TYPE	BASIS	LOCATION		MIN SIZE	SIZE				
Benzene FOB Korea Marker	USD	PHASM05	PHASN03	AA05V00	Spot	FOB	South Korea	Average of 3rd (W3), 4th (W4) & 5th (W5) laycan	3,000	3,000	MT	206/235	436	322
Benzene FOB Korea W2	USD	AAMGD00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W3	USD	AAMGG00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W4	USD	AAPFE00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W5	USD	AAWYG00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W6	USD	AAWYH00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB SE Asia Marker	USD	AAUYE00	AAUYE03	AAUYE04	Spot	FOB	Southeast Asia	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	206/235	436	322
Benzene FOB Korea-SE Asia Diff H1	USD	AAVRY00			Spot	FOB	Southeast Asia	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea-SE Asia Diff H2	USD	AAVRZ00			Spot	FOB	Southeast Asia	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea-SE Asia Diff H3	USD	AAVSA00			Spot	FOB	Southeast Asia	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR Taiwan Weekly	USD	PHAAK00	PHBGT03		Spot	CFR	Taiwan	Delivered 20-40 days forward from date of publication	3,000	3,000	MT	322/235	436	
Benzene CFR China Marker	USD	AAXVK00	AAXVK03	AAXVK04	Spot	CFR	China	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	206/235	436	322
Benzene CFR China W3	USD	AAXWK00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR China W4	USD	AAXXK00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR China W5	USD	AAXYK00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR China W6	USD	AAXYL00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene Domestic East China Prompt	CNY	AAECA00		AAECA04	Spot	Ex-tank	China	0-10 days forward	500	1,000	MT	206/235		322
Benzene Domestic East China Bal-Mo01	CNY	AAECB00		AAECB04	Spot	Ex-tank	China	Within the current calendar month on the date of publication	500	1,000	MT	206/235		322
Benzene Domestic East China Mo02	CNY	AAECC00		AAECC04	Spot	Ex-tank	China	Within the second calendar month from date of publication	500	1,000	MT	206/235		322
Benzene Domestic East China Marker	CNY	AAECG00		AAECG04	Spot	Ex-tank	China	Average of prompt, Mo01, and Mo02 laycan	500	1,000	MT	206/235		322
Benzene East China Prompt Import Parity	USD	AAECD00		AAECD04	Spot	Ex-tank	China	0-10 days forward	500	1,000	MT	206/235		322
Benzene East China Import Parity Bal-Mo01	USD	AAECE00		AAECE04	Spot	Ex-tank	China	Within the current calendar month on the date of publication	500	1,000	MT	206/235		322
Benzene East China Import Parity Mo02	USD	AAECF00		AAECF04	Spot	Ex-tank	China	Within the second calendar month from date of publication	500	1,000	MT	206/235		322
Benzene Domestic East China Import Parity Marker	USD	AAECH00		AAECH04	Spot	Ex-tank	China	Average of prompt, Mo01, and Mo02 laycan	500	1,000	MT	206/235		322
Benzene East China Sinopec Listed Price	CNY	AAECI00			Spot	Ex-tank	China	Anytime during that laycan				206		
JX Nippon Benzene ACP Nomination	USD	AATU000			Monthly contract price nomination	CFR	Asia	Anytime during that laycan			MT	322		
JX Nippon Benzene ACP Settlement	USD	AATUP00			Monthly contract price settlement	CFR	Asia	Anytime during that laycan			MT	322		

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Assessment	CURRENCY	CODE	Mavg	Wavg	CONTRACT			DELIVERY PERIOD	MAX		UOM	CONV	CODE	Mavg	Wavg
					TYPE	BASIS	LOCATION		MIN SIZE	SIZE					
Benzene Paper Swaps															
Benzene FOB Korea Paper BalMo	USD	AAVYV00	AAVYV03		Spot	FOB	South Korea		1,000	1,000	MT	766		770	
Benzene FOB Korea Paper Mo01	USD	AAVYV01	AAVYV11		Spot	FOB	South Korea		1,000	1,000	MT	766		770	
Benzene FOB Korea Paper Mo02	USD	AAVYV02	AAVYV12		Spot	FOB	South Korea		1,000	1,000	MT	766		770	
Benzene FOB Korea Paper Mo03	USD	AAVYV04	AAVYV14		Spot	FOB	South Korea		1,000	1,000	MT	766		770	
Toluene															
Toluene FOB Korea Marker	USD	PHAS005	PHASP03	PHAXB04	Spot	FOB	South Korea	3rd & 4th half-month cycles.	2,000	2,000	MT	3.04	218	436	326
Toluene FOB Korea W2	USD	AAMGM00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene FOB Korea W3	USD	AAMGP00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene FOB Korea W4	USD	AAQNF00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene FOB Korea W5	USD	AAWYI00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene FOB Korea W6	USD	AAWYJ00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China LC 90	USD	AASBE00	AASBE03	AASBE04	Spot	CFR	China	3rd & 4th half-month cycles.	2,000	2,000	MT	3.04	218	449	326
Toluene CFR China W2 LC 90	USD	AASBG00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W3 LC 90	USD	AASBH00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W4 LC 90	USD	AASBJ00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W5 LC 90	USD	AASBL00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W6 LC 90	USD	AASBK00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China Marker LC 0-30	USD	AAOTQ00	AAOTQ03	AASEE01	Spot	CFR	China	3rd & 4th half-month cycles.	2,000	2,000	MT	3.04	218	449	326
Toluene CFR China W2 LC 0-30	USD	AASEC00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W3 LC 0-30	USD	AASED00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W2 LC 0-30	USD	AASEF00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W3 LC 0-30	USD	AASEJ00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR China W2 LC 0-30	USD	AASEG00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218		
Toluene CFR India Weekly	USD	AAVBQ04	AAVBQ03		Spot	CFR	India	20-40 days forward from date of publication	2,000	2,000	MT	3.04	326		
Toluene CFR SE Asia Weekly	USD	PHAFR00	PHBGX03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	2,000	MT	3.04	326	436	
Toluene FOB SE Asia Weekly	USD	AAVBP04	AAVBP03		Spot	FOB	Southeast Asia	20-40 days forward from date of publication	2,000	2,000	MT	3.04	326		
Toluene CFR Taiwan Weekly	USD	PHAFQ00	PHBGW03		Spot	CFR	Taiwan	20-40 days forward from date of publication	2,000	2,000	MT	3.04	326	436	
Toluene China Dom Yuan/Mt Dly	CNY	AASZB00		AASZB01	Spot	Ex-tank	China	Loaded up to 10 days forward from date of publication	50	100	MT	3.04	218		326
Toluene East China Inventories	volume in mt	AAVP000			Spot		China				MT	101			
Toluene South China Inventories	volume in mt	AAVPR00			Spot		China				MT	101			
Styrene Monomer															
FOB Korea Marker	USD	AAMFL00	PHASV03	AAMFN00	Spot	FOB	South Korea	3rd & 4th forward half-month cycles.	2,000	2,000	MT	22.04	215	436	340
FOB Korea W2	USD	AAMFU00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215		
FOB Korea W3	USD	AAMFX00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215		
FOB Korea W4	USD	AAPF00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215		
FOB Korea W5	USD	AAWYK00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215		

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Assessment	CURRENCY	CODE	Mavg	Wavg	CONTRACT			DELIVERY PERIOD	MAX		CONV CODE	Mavg	Wavg		
					CONTRACT TYPE	BASIS	LOCATION		MIN SIZE	SIZE				UOM	
FOB Korea W6	USD	AAYYL00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215		
CFR China Marker	USD	AAMFI00	AAMFK00	AAVMA04	Spot	CFR	China	3rd & 4th forward half-month cycles.	2,000	3,000	MT	22.04	215	340	
CFR China W2	USD	AAVJ000			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04	215		
CFR China W3	USD	AAVJP00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04	215		
CFR China W4	USD	AAVJQ00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04	215		
CFR China W5	USD	AAVMA00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04	215		
CFR China W6	USD	AAVMB00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04	215		
CFR Taiwan	USD	PHACB00	PHBHE03	AA0SY00	Spot	CFR	Taiwan	20-40 days forward	2,000	2,000	MT	22.04	215	436	340
CFR Southeast Asia Weekly	USD	PHACC00	PHBHF03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	2,000	MT	22.04	340	436	
CFR India Weekly	USD	AABAA00	AABAB00		Spot	CFR	India	20-40 days forward from date of publication	2,000	2,000	MT	22.04	340	449	
East China Domestic prompt	CNY	AAOTU00		AASZC01	Spot	Ex-tank	China	0-10 days forward	500	1,000	MT	22.04	215	340	
East China Domestic Bal-M1	CNY	AA0UA00	AA0UA03	AA0UA04	Spot	Ex-tank	China	within the current calendar month on the date of publication	500	1,000	MT	22.04	215	340	
East China Domestic M2	CNY	AA0UB00	AA0UB03	AA0UB04	Spot	Ex-tank	China	within the second calendar month from date of publication	500	1,000	MT	22.04	215	340	
Styrene East China Inventories	volume in mt	AAVPQ00			Spot		China				MT		101		
Styrene South China Inventories	volume in mt	AAVPT00			Spot		China				MT		101		
Isomer-grade mixed xylene															
Isomer-MX FOB Korea Marker	USD	PHAUV00	PHAUV03	PHAUV11	Spot	FOB	South Korea	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	3.03	645	436	647
Isomer-MX FOB Korea W2	USD	PHAUV12			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Isomer-MX FOB Korea W3	USD	PHAUV13			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Isomer-MX FOB Korea W4	USD	PHAUV14			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Isomer-MX FOB Korea W5	USD	AAXHK00			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Isomer-MX CFR Taiwan Marker	USD	PHAUT00	PHAUT03	PHAUT11	Spot	CFR	Taiwan	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	3.03	645	436	647
Isomer-MX CFR Taiwan W2	USD	PHAUT12			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Isomer-MX CFR Taiwan W3	USD	PHAUT13			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Isomer-MX CFR Taiwan W4	USD	PHAUT14			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Isomer-MX CFR Taiwan W5	USD	AAXHL00			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03	645		
Mixed xylenes East China Inventories	volume in mt	AAVPP00			Spot		China				MT		101		
Mixed xylenes South China Inventories	volume in mt	AAVPS00			Spot		China				MT		101		
Solvent-grade mixed xylene															
Solvent-MX CFR China Weekly	USD	AASBF04	AASBF03		Spot	CFR	China	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416	449	
Solvent-MX FOB Korea Weekly	USD	PHAUX04	PHAUY03		Spot	FOB	South Korea	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416	436	
Solvent-MX CFR Southeast Asia Weekly	USD	PHAU04	PHAUQ03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416	436	
Solvent-MX CFR India Weekly	USD	ASMXA04	ASMXA03		Spot	CFR	India	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416		

AROMATICS

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Assessment	CURRENCY	CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT		DELIVERY PERIOD	MAX		UOM	CONV CODE	Mavg	Wavg
						BASIS	LOCATION		MIN SIZE	SIZE				
Paraxylene (PX)														
Paraxylene FOB Korea Marker	USD	PHASS05	AAITP00	AA05X00	Spot	FOB Korea	South Korea	Average of 4th (W4), 5th (W5) and 6th (W6) laycan	5,000	5,000	MT	214	436	337
Paraxylene FOB Korea W2	USD	AAQNB00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene FOB Korea W3	USD	AAQNC00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene FOB Korea W4	USD	AAQND00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene FOB Korea W5	USD	AAXHF00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene FOB Korea W6	USD	AAQNG00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Taiwan/China Marker	USD	AAQNE00	AAVZF00	AAACY00	Spot	CFR Taiwan/China	Taiwan, China	Average of 4th (W4), 5th (W5) and 6th (W6) laycan	5,000	5,000	MT	214	436	337
Paraxylene CFR Taiwan/China W2	USD	AAXHG00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Taiwan/China W3	USD	AAXHH00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Taiwan/China W4	USD	AAXHI00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Taiwan/China W5	USD	AAXHJ00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Taiwan/China W6	USD	ABXHK00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Taiwan/China Weekly	USD	PHABU00	PHBHB03		Spot	CFR Taiwan/China	Taiwan, China	Average of 4th (W4), 5th (W5) and 6th (W6) laycan	5,000	5,000	MT	337		
Paraxylene CFR SE Asia Weekly	USD	PHABV00	PHBHC03		Spot	CFR Taiwan/China, CFR SEA	Southeast Asia	20-40 days forward from date of publication	5,000	5,000	MT	337	436	
Paraxylene Producer CFR ACP Settlement	USD	AA0TT00			Monthly contract price	CFR Taiwan/China	Asia	standard credit terms as per market practice, as agreed between counterparties			MT	337		
Paraxylene ExxonMobil ACP nomination	USD				Monthly contract price nomination		Asia				MT	337		
Paraxylene Idemitsu ACP nomination	USD				Monthly contract price nomination		Asia				MT	337		
Paraxylene JX Nippon ACP nomination	USD				Monthly contract price nomination		Asia				MT	337		
Paraxylene S-Oil ACP nomination	USD				Monthly contract price nomination		Asia				MT	337		
Paraxylene Reliance nomination	USD				Monthly contract price nomination		Asia				MT	337		
Paraxylene SKGC ACP nomination	USD				Monthly contract price nomination		Asia				MT	337		

AROMATICS

Assessment	CURRENCY	CODE	Mavg	Wavg	CONTRACT			DELIVERY PERIOD	MAX		CONV	CODE	Mavg	Wavg	
					TYPE	BASIS	LOCATION		MIN SIZE	SIZE					UOM
Paraxylene Sinopec CP Nomination	USD	AAUBW00			Monthly contract price nomination		Asia			MT	337				
Paraxylene Sinopec CP Nomination	CNY	AAUBY00			Monthly contract price nomination		Asia			MT	337				
Paraxylene Sinopec CP Settlement	USD	AAUBX00			Monthly contract price settlement		Asia			MT	337				
Paraxylene Sinopec CP Settlement	CNY	AAUBZ00			Monthly contract price settlement		Asia			MT	337				
Orthoxylene (OX)															
CFR China	USD	AAOTS00	AAOTS03		Spot	CFR	China	20-40 days forward from date of publication	2,000	3,000	MT	334	449		
FOB Korea	USD	PHAUZ04	PHAVA03		Spot	FOB	South Korea	20-40 days forward from date of publication	2,000	3,000	MT	334	436		
CFR Southeast Asia	USD	PHABM00	PHAUG03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	3,000	MT	334	436		
Methanol															
Methanol CFR China	USD	AAWAZ00	AAWAZ03	AAWAZ04	Spot	CFR	China	20-50 days forward from date of publication	5,000	10,000	MT	3.33	653,348	449	348
Methanol Domestic China (Ex-Tank)	CNY	AAWBB00	AAWBB03	AAWBB04	Spot	Ex-tank	China	0-10 days forward from date of publication	200	500	MT	3.33	653,348		348
Methanol Domestic China weekly	CNY	AAVAR04	AAVAR03		Spot	Ex-tank	China	0-10 days forward from date of publication	200	500	MT	3.33	348		348
Methanol CFR SE Asia	USD	AAWBA00	AAWBA03	AAWBA04	Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	5,000	MT	3.33	653		348
Methanol CFR SE Asia weekly	USD	PHACJ00	PHBHJ03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	5,000	MT	3.33	348	436	348
Methanol CFR Korea weekly	USD	PHACH00	PHBHH03		Spot	CFR	South Korea	20-40 days forward from date of publication	3,000	5,000	MT	3.33	348		436
Methanol CFR Taiwan weekly	USD	PHACI00	PHBHI03		Spot	CFR	Taiwan	20-40 days forward from date of publication	2,000	5,000	MT	3.33	348		436
Methanol CFR India weekly	USD	AABAG00	AABAH00		Spot	CFR	India	20-40 days forward from date of publication	5,000	10,000	MT	3.33	348		449
Methanol CFR Asia CP Nomination	USD	AAWX00			Monthly contract price nomination	CFR	Asia	20-40 days forward from date of publication	2,000	5,000	MT	3.33	348		

Aromatics

Benzene

Assessment window: Daily assessments FOB Korea, CFR China, FOB Southeast Asia and China domestic ex-tank prices, based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments basis CFR Taiwan, up to close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea, CFR China, FOB Southeast Asia and China domestic ex-tank are published on Fridays.

Timing: Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth, fifth and sixth half-month laycans. We do not assess the prompt first-half laycan. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, the half-month laycans assessed would be H2 March, H1 April, H2 April, H1 May, and H2 May. The daily FOB Korea marker averages the third, fourth and fifth half-month forward assessments. Daily price differentials (premium/discount) basis FOB Southeast Asia relative to daily assessments FOB Korea are published for second, third and fourth loading half-month laycans. The daily marker FOB

Southeast Asia is calculated using the FOB Korea marker plus averaged differentials to FOB Korea assessments for the respective third and fourth half-month laycans. Daily assessments CFR China evaluate cargoes for delivery in third, fourth, fifth and sixth half-month cycles. The daily CFR China marker averages the third and fourth half-month assessments (first and second half-month published assessment cycle). East China prompt domestic assessments cover parcels to be loaded up to 10 days forward from date of publication. East China Domestic Bal-M1 marker will reflect prices of cargoes in Yuan loaded within the current calendar month on the date of publication. East China Domestic M2 marker will reflect prices of cargoes in Yuan loaded within the second calendar month from

date of publication. The daily East China marker averages the prompt, bal-M1 and M2 East China domestic assessments. The East China import parity equivalent is calculated by factoring in the prevailing value added tax rate, standard import duties, and the USD/Yuan central parity exchange rate. Weekly assessments basis CFR Taiwan evaluate cargoes delivered 20-40 days forward from date of publication.

Basis and locations: FOB Korea: Onsan, Ulsan, Yeosu loaded from big berths able to accommodate MR (Medium Range)-sized vessels. Platts will normalize bids/offers/trades which include Daesan/Incheon ports, CFR China: Caojing, Ningbo, Jiangyin, Changzhou. CFR Taiwan: Kaohsiung, Keelung, Mailiao; FOB Southeast Asia: Singapore, Thailand (Map Ta Phut), Malaysia (Pasir Gudang), Indonesia (Tuban). Domestic China: ex-tank Jiangyin and Changzhou. Producer contract price nominations and settlements CFR Asia are also published weekly.

Cargo size: 3,000 mt. Domestic China: 500-1,000 mt.

Credit terms: FOB Korea, FOB SEA, CFR Taiwan are assessed L/C at-sight basis. CFR China is assessed at L/C 90 days. China Domestic is assessed at-sight basis with cash payment. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: Conforming to latest edition of international standard ASTM D-2359.

Standard operational procedure (FOB Korea): Buyer to declare half-month of loading by 10th of preceding month. Seller to declare load port 15 days prior to the first day of the declared half-month laycan. Buyer to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan. Buyer to nominate vessel 10 days prior to the first day of the 5-day loading laycan. Buyer to open irrevocable L/C at sight 7 days prior to the first day of the laycan.

Benzene Paper Swaps

Basis: Platts assesses swaps for benzene FOB Korea.

Volume: The assessed trading volume is a standard 1,000 mt.

Benzene Sinopec Listed Price

Basis: Platts publishes the industry-settled contract price of benzene in East China by China Petroleum & Chemical Corporation, or Sinopec.

Toluene

Assessment window: Daily assessments FOB Korea L/C at sight and CFR China assessments corresponding to L/C 0-30 days and CFR China L/C 90 days and domestic China ex-tank based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments FOB Southeast Asia, CFR Southeast Asia, CFR India and CFR Taiwan, up to close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays, all corresponding to an L/C 30 days basis. Weekly averages of daily assessments FOB Korea L/C at sight and CFR China L/C 0-30 days and CFR China L/C 90 days are published on Fridays.

Timing: Daily assessments FOB Korea L/C at sight and CFR China L/C 0-30 days and CFR China L/C 90 days evaluate cargoes for loading in second, third, fourth, fifth and sixth half-month laycans. We do not assess the prompt first-half laycan. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, the half-month laycans assessed would be H2 March, H1 April, H2 April, H1 May, and H2 May. The daily FOB Korea marker averages the third and fourth half-month assessment ranges. The daily CFR China L/C 0-30 days and CFR China L/C 90 days averages the third and fourth half-month assessment ranges. Weekly assessments basis CFR Taiwan, CFR Southeast

Asia and CFR India evaluate cargoes to be delivered 20-40 days forward from date of publication. Weekly assessments basis FOB Southeast Asia evaluate cargoes to be loaded 20-40 days forward from date of publication. China Domestic: Parcels to be loaded up to 10 days forward from date of publication.

Basis and locations: FOB Korea: Daesan, Ulsan, Yeosu; CFR China L/C 0-30 days and CFR China L/C 90 days: Dongguan, Jiangyin, Nanjing, Nansha, Ningbo, Shanghai, Zhangjiagang, Zhenjiang. CFR Taiwan: Kaohsiung, Keelung, Mailiao; FOB Southeast Asia: Singapore, Malaysia (Pasir Gudang), Indonesia (Merak); CFR Southeast Asia: Malaysia (Port Klang), Indonesia (Merak, Surabaya), Philippines (Batangas); CFR India: Kandla, Mumbai and Vizag. China Domestic: Ex-tank Zhangjiagang.

Cargo size: FOB Korea, CFR Taiwan, CFR China L/C 0-30 days and CFR China L/C 90 days, CFR India: 2,000 mt; FOB SEA, CFR SEA: 2,000 mt. China Domestic: 50-100 mt. For lots larger than 100 mt, value will be normalized according to market fundamentals.

Credit terms: FOB Korea is assessed on an LC at-sight basis. CFR Taiwan, FOB SEA, CFR SEA, CFR India are assessed on L/C 0-30 days credit terms; CFR China L/C 0-30 days is assessed 0-30 days (assessments normalized to the mid-point of 0-30 days) and CFR China L/C 90 days is with 90 days credit; For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment. China Domestic is assessed at-sight basis with cash payment.

Terms and conditions: Platts assesses toluene cargoes of open origin and may not consider for assessment bids basis FOB Korea which state Korean-origin restriction. Domestic China assessment is inclusive of prevailing value added tax.

Quality specifications: Nitration-grade conforming to latest edition of international standard ASTM D-841.

Standard operational procedure (FOB Korea): Buyer to declare half-month of loading by 10th of preceding month. Seller to

declare load port 15 days prior to the first day of the declared half-month laycan. Buyer to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan. Buyer to nominate vessel 10 days prior to the first day of the 5-day loading laycan. Buyer to open irrevocable L/C at sight 7 days prior to the first day of the laycan

Styrene Monomer (SM)

Assessment window: Daily assessments FOB Korea, CFR China, CFR Taiwan and China domestic ex-tank based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR Southeast Asia and CFR India up to close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea, CFR China and CFR Taiwan are published on Fridays.

Timing: Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth, fifth and sixth half-month laycans. We do not assess the prompt first-half laycan. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, 2017, the half-month laycans assessed would be H2 March, H1 April, H2 April, H1 May and H2 May. Daily assessments CFR China evaluate cargoes for delivery in second, third, fourth, fifth and sixth half-month laycans. Daily FOB Korea and CFR China markers average the second and third half-month assessment. Daily marker assessments CFR Taiwan are assessed 20-40 days forward. Weekly assessments basis CFR Southeast Asia and CFR India evaluate cargoes to be delivered 20-40 days forward from date of publication. East China prompt Domestic assessments cover parcels to be loaded up to 10 days forward from date of publication. East China Domestic Bal-M1 marker will reflect prices of cargoes in Yuan loaded within the current calendar month on the date of publication. East China Domestic M2 marker will reflect prices of cargoes in Yuan loaded within the second calendar month from date of publication.

Basis and locations: FOB Korea: Daesan, Ulsan, Yeosu; CFR China: Jiangyin, Nantong, Ningbo, Zhangjiagang; CFR Taiwan: Kaohsiung, Mailiao, Anping (in the absence of deals, CFR Taiwan would reflect price information, adjacent market activity reported to Platts throughout the day, and values for all reported trades normalized to reflect the prevailing value of the market at 4:30 pm Singapore time (0830 GMT)), allowing for freight costs; CFR Southeast Asia: Map Ta Phut, Manila Bay (anchorage, barge cost not included); CFR India: Mumbai, Vizag; China Domestic: Ex-tank Zhangjiagang, Jiangyin and Changzhou.

Cargo size: CFR China: 2,000-3,000 mt. FOB Korea: 2,000 mt. China Domestic: 500-1000 mt.

Credit terms: FOB Korea is assessed L/C at-sight basis; CFR China is assessed at L/C 90 days; CFR Taiwan is assessed at L/C 30 days; CFR India and CFR SEA are assessed at L/C 30 days; China Domestic is assessed at-sight basis with cash payment. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment, based on prevailing interest rates calculated using the London Interbank Offered Rate (LIBOR) + 1.5%.

Terms and conditions: Platts assesses styrene monomer cargoes of open origin. Domestic China assessment is inclusive of prevailing value added tax rate.

Quality specifications: Conforming to latest edition of international standard ASTM D-2827.

Standard operational procedure (FOB Korea): Buyer to declare half-month of loading on the 15th calendar day of the month prior to the month of loading. If the 15th of the month falls on a weekend or a holiday, then the half-month declaration will occur on the nearest business day prior to that weekend or holiday. Seller to declare load port on the 16th of the month for H1 loading in the next month and on the last day of previous month for H2 loading. If the 16th of the month or the last day of the month falls on a weekend, load port declaration will be done on

the nearest business day prior to the 16th or the last day of the month. Buyer and seller mutually agree narrowing to a feasible five-day maximum loading laycan. Buyer to nominate vessel 10 days maximum prior to the first day of the laycan.

Standard operational procedure (CFR China and CFR Taiwan): Buyer declares discharge port any time before opening letter of credit. Seller nominates the vessel 10 days prior to the first date of laycan.

Isomer-Grade Mixed Xylenes (ISO-MX)

Assessment window: Daily assessments FOB Korea and CFR Taiwan, based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments FOB Korea and CFR Taiwan are published on Fridays.

Timing: Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth and fifth half-month laycans. We do not assess the prompt first-half laycan. Daily assessments CFR Taiwan evaluate cargoes for delivery in second, third, fourth and fifth half-month laycans. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, the half-month laycans assessed would be H2 March, H1 April, H2 April and H1 May. The daily FOB Korea and CFR Taiwan markers average the respective third and fourth half-month assessment ranges.

Basis and locations: FOB Korea: Daesan, Ulsan, Yeosu, Incheon; CFR Taiwan: Kaohsiung, Keelung, Mailiao.

Cargo size: 3,000 mt.

Credit terms: FOB Korea is assessed at L/C 30 days; CFR Taiwan is assessed at L/C 30 days for Asia origin cargoes and L/C 60 days for deep-sea origin cargoes. For deals with non-standard usance, the value of the extra credit allowance will be factored

out for price assessment

Quality specifications: Conforming to latest edition of international standard ASTM D-843. Maximum bromine index of 20 parts per million (ppm), maximum ethylbenzene content of 18%, maximum non-aromatics content of 1%, minimum paraxylene content of 18% by wt.

Standard operational procedure (FOB Korea): Buyer to declare half-month of loading 15 days prior to the first day of the month. Seller to declare load port 15 days prior to the first day of the declared half-month laycan. Buyer to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan. Buyer to nominate vessel 10 days prior to the first day of the 5-day loading laycan. Buyer to open irrevocable 30-day L/C 7 days prior to the first day of the laycan

Standard operational procedure (CFR Taiwan): Seller declares half-month of delivery 15 days prior to the first day of the month. Buyer declares discharge port 15 days prior to the half-month delivery period. Seller nominates vessel 10 days prior to 1st day of the half-month of delivery. Buyer to open irrevocable L/C no later than 7 days prior to the payment date or first day of the laycan, whichever is earlier.

Solvent-Grade Mixed Xylenes (SOL-MX)

Assessment window: Weekly assessments FOB Korea, CFR Southeast Asia, CFR India and CFR China based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays.

Timing: Weekly assessments FOB Korea evaluate cargoes to be loaded 20-40 days forward from date of publication. Weekly assessments CFR Southeast Asia, CFR India and CFR China evaluate cargoes to be delivered 20-40 days forward from date of publication.

Basis and locations: FOB Korea: Daesan, Ulsan, Yeosu; CFR Southeast Asia: Indonesia (Merak, Surabaya), Malaysia (Port Klang), Vietnam (Ho Chi Minh); CFR China: Zhangjiagang, Jiangyin and Changshu; CFR India: Kandla and Mumbai.

Cargo size: 1,000-2,000 mt.

Terms and conditions: FOB Korea is assessed on an L/C at sight basis. CFR Southeast Asia is assessed on a 30-day L/C basis. CFR China and CFR India is assessed on a 90-day L/C basis.

Quality specifications: Solvent-MX with maximum non-aromatics content of 4%, conforming to international standards and equivalence. Solvent-MX with a lower or higher non-aromatics content than 4% will be normalized back to such a value.

Paraxylene (PX)

Assessment window: Daily physical cargo assessments FOB Korea and CFR Taiwan/China based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessment CFR Southeast Asia up to close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea and CFR Taiwan/China are published on Fridays.

Timing: Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth, fifth and sixth half-month laycans. Daily assessments CFR Taiwan/China evaluate cargoes for delivery in second, third, fourth, fifth and sixth half-month laycans. Platts does not assess the prompt first-half laycan for either marker. Each half-month assessment laycan covers 13,14,15 or 16 days (if a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on August 1, the half-month laycans assessed would be H2 August, H1 September, H2 September, H1 October and H2 October. The daily FOB Korea and

CFR Taiwan/China markers average the means of the assessed low-high ranges for fourth, fifth and sixth half-month laycan. Weekly assessment CFR Southeast Asia evaluates cargoes to be delivered 20-40 days forward from date of publication.

Basis and locations: FOB Korea (Ulsan, Onsan, Daesan, Yeosu); CFR Taiwan/ China (standard Taiwan ports, Ningbo, Dalian). CFR Southeast Asia: Indonesia (Merak, Jakarta), Malaysia (Kuantan), Thailand (Map Ta Phut). The monthly Asian contract price (ACP) settlements and producers' contract price nominations CFR Asia are also published weekly. When there is no monthly settlement of the ACP, the published value will reflect 'NA'.

Cargo size: 5,000 mt.

Credit terms: Terms of payment should reflect standard credit terms as per market practice, as agreed between counterparties.

Terms and conditions: Platts assesses bids on CFR Taiwan/ China basis with standard ports of destination at buyer's option; and offers only at buyer's option of port location. Platts may not consider for assessment purposes offers and bids of restrictive optionality. This includes, but is not limited to, single port destination offers, or bids for delivery into ports/terminals which cannot physically receive vessels above 10,000dwt. For any-month bids or offers on CFR basis, seller's optionality over half-month timing is assumed. Platts assesses cargoes of any and all origins in its Asian PX assessments. Country specific bids or trades that do not conform to the norms of trading may be normalized for assessment or may not be considered for publication.

Quality specifications: Platts assessment specifications for Asian paraxylene reflect a minimum purity of 99.7%, conforming to international standards and equivalence.

Standard operational procedure (CFR Taiwan/China): On the 15th calendar day of the month prior to the month of delivery, the seller declares half-month of delivery and the buyer declares

discharge port. Seller nominates vessel at least 10 days prior to first day of the half month of delivery. Letter of credit or usual payment terms and standards to apply.

Standard operational procedure (FOB Korea): On the 15th calendar day of the month prior to the month of loading, the buyer declares the half-month of loading, and the seller declares the port of loading. Buyer to nominate vessel at least 10 days prior to the first day of the half-month laycan. Buyer to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan. Letter of credit or usual payment terms and standards to apply.

Orthoxylene (OX)

Assessment window: Weekly assessments FOB Korea, CFR Southeast Asia and CFR China based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays.

Timing: Weekly assessments FOB Korea evaluate cargoes to be loaded 20-40 days forward from date of publication. Weekly assessments CFR Southeast Asia and CFR China evaluate cargoes to be delivered 20-40 days forward from date of publication.

Basis and locations: FOB Korea: Ulsan, Yeosu; CFR Southeast Asia: Singapore, Indonesia, Thailand; CFR China: Zhangjiagang.

Cargo size: 2,000-3,000 mt.

Credit terms: FOB Korea and CFR Southeast Asia are assessed at

30 days L/C basis. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. CFR China is assessed at 90 days L/C basis.

Quality specifications: Minimum purity of 98%; maximum non-aromatic content of 0.3%.

Methanol

Assessment window: Daily physical cargo assessments CFR China, CFR Southeast Asia and domestic East China ex-tank assessments based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Domestic East China assessment is inclusive of prevailing value added tax plus 5.5% import duties. Weekly assessments basis CFR Korea and CFR Taiwan are based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly assessment basis CFR India is a freight netback formula from the CFR China methanol assessment on Wednesdays. The netback formula is based on the CFR China methanol assessment to FOB Middle East using the Middle East-China freight assessment and net forwarded to CFR India using the Middle East-India freight assessment. Weekly averages of daily assessments CFR China, CFR SEA, and domestic East China ex-tank assessments are published on Fridays.

Timing: Daily assessments CFR China evaluate cargoes for delivery 20-50 days forward from date of publication, while CFR Southeast Asia, and weekly assessments CFR Korea, CFR Taiwan, and CFR India evaluate cargoes for delivery 20-40 days

forward from date of publication. China domestic: parcels loaded 0-10 days forward from date of publication.

Basis and locations: CFR China: Nantong, Taicang, Jiangyin, Zhangjiagang, Ningbo; CFR Korea: Ulsan, Yeosu, Pyeongtaek; CFR Taiwan: Mailiao, Kaohsiung, Taichung; CFR Southeast Asia: Indonesia (Jakarta, Merak, Surabaya); Malaysia (Port Klang, Kuantan, Kertih); Singapore; Thailand (Bangkok, Map Ta Phut); CFR India: Kandla, Mumbai, Mangalore, Cochin. China domestic: Ex-tank Nantong, Taicang, Jiangyin, Zhangjiagang, Ningbo. Producer contract price nominations: CFR Asia are also published weekly.

Cargo size: CFR China: 5,000-10,000 mt; CFR Korea: 3,000-5,000 mt; CFR Taiwan, CFR Southeast Asia: 2,000-5,000 mt; and CFR India: 5,000-10,000 mt. China domestic: 200-500 mt.

Credit terms: CFR China assessed at LC 60-90 days credit term. CFR Southeast Asia assessed at LC 30 days credit terms. CFR Korea, CFR Taiwan, and CFR India are assessed up to LC 30 days credit terms. China Domestic is assessed at-sight basis with cash payment. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: CFR China, CFR Korea, CFR Taiwan, CFR Southeast Asia and CFR India: Minimum purity of 99.85%; maximum water content of 0.1% by total weight; maximum ethanol content of 50 parts per million (ppm). China domestic: Minimum purity of 99.85%; maximum water content of 0.1% by total weight, maximum ethanol content of 100 parts per million (ppm).

GASOLINE COMPONENTS

Assessment	CURRENCY CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	DELIVERY PERIOD	MIN SIZE	MAX SIZE	UOM	PC Page			
											CODE	Mavg	Wavg	
MTBE														
MTBE FOB SINGAPORE	USD	PHALF11	PHAU103	AAOTG00	Spot	FOB	Straits	15-40 days forward from date of publication	2000	or 3000	MT	203	436	344
MTBE FOB Singapore Factor	Ratio	AAXIW00	AAXIW03	AAXIW04	Spot	FOB	Straits					203	436	344

Gasoline components

MTBE

Assessment window: Daily physical cargo assessments are based on the latest information from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Daily FOB Singapore assessments reflect “FOB Straits” bids, offers and transactions. For FOB Straits bids and offers, buyers and sellers should not state a specific loadpoint at the point of communication to Platts, and should proceed to nominate loading from one of the locations in Singapore and Malaysia that are already approved for the Platts Market On Close price assessment process. A weekly average of daily assessments FOB Singapore is published on Fridays. The MTBE Market-on-Close assessment process is facilitated through the eWindow technology. For further details please consult the Petrochemicals Timing and Increment Guidelines on www.platts.com.

Timing: Cargoes loaded 15-40 days forward from date of publication.

Basis and locations: FOB Straits.

Cargo size: 2,000 or 3,000 mt.

Terms and conditions: Terms of payment should reflect standard credit terms as per market practice, as agreed between counterparties.

Quality specifications: Minimum purity of 98%; maximum water content of 1,000 ppm; maximum methanol content of 1.5% by total weight. Maximum sulfur content of 50 ppm.

MTBE FOB Singapore factor: The “factor” expresses the ratio between daily MTBE assessments basis FOB Straits and 92 RON gasoline assessments FOB Straits. The factor calculation uses the mean of the low and high of Platts’ MTBE and 92 RON cargo

assessments respectively. For example, if 92 RON gasoline were assessed at \$119.99-120.01/barrel and MTBE were assessed at \$1,069-1,071/mt (equivalent to a mean of \$126.63/barrel using a standard barrels-to-metric ton conversion rate of 8.45), then a factor of 1.055 would be published (to represent \$126.63/barrel divided by \$120/barrel). The factor is published daily to three decimal places. 92 RON gasoline and MTBE are assessed daily at 4:30 pm Singapore time (0830 GMT). 92 RON gasoline assessments reflect the value of cargoes loading 15-30 days ahead of publication.

Standard operational procedure: Sellers or buyers are to declare the 5-day date range at the time of submitting a bid or offer for publication. 10 days prior to loading, the seller must declare the terminal. 7 days prior to loading, the buyer must nominate the vessel and the buyer must narrow the loading window to 3 days, subject to loading terminal acceptance.

POLYMERS

Assessment	CURRENCY CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	DELIVERY PERIOD	MIN SIZE	MAX SIZE	UOM	PC Page		
											CODE	Mavg	Wavg
Polyethylenes (PE)													
HDPE B/Mldg CFR FE Asia Weekly	USD	AAAYM00	AAAYN00	Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE B/Mldg CFR S Asia Weekly	USD	AAAYK00	AAAYL00	Spot	CFR SA	South Asia	15-30 days forward from date of publication	100	500	MT	274		
HDPE B/Mldg CFR SE Asia Weekly	USD	AAAY000	AAAYP00	Spot	CFR SEA	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Film CFR FE Asia	USD	AATYE00	AATYE03	AATYE04	Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	570	462 573
HDPE Film CFR FE Asia Weekly	USD	PHALC00	PHBBG03	Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Film CFR S Asia Weekly	USD	AAAYG00	AAAYH00	Spot	CFR SA	South Asia	15-30 days forward from date of publication	100	500	MT	274		
HDPE Film CFR SE Asia Weekly	USD	PHALD00	PHBBH03	Spot	CFR SEA	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Film China Domestic Yuan/Mt Weekly	CNY	AA0TX00		Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	274		
HDPE Inj CFR FE Asia Weekly	USD	PHAHN00	PHBBC03	Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Inj CFR S Asia Weekly	USD	AAAYI00	AAAYJ00	Spot	CFR SA	South Asia	15-30 days forward from date of publication	100	500	MT	274		
HDPE Inj CFR SE Asia Weekly	USD	PHAH000	PHBBB03	Spot	CFR SEA	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Yarn Grade CFR FE Asia Weekly	USD	AAVAI04	AAVAI03	Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Yarn Grade CFR SE Asia Weekly	USD	AAVAJ04	AAVAJ03	Spot	CFR SEA	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
LDPE China Domestic Yuan/mt Weekly	CNY	AA0TV00		Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	266		
LDPE G-P CFR FE Asia	USD	PHAHT00	PHBAT03	AAQNN00	Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	570,266	462 573
LDPE G-P CFR SE Asia Weekly	USD	PHAHU00	PHBAS03	Spot	CFR SEA	Southeast Asia	15-30 days forward from date of publication	100	500	MT	266	462	
LLDPE Butene CFR FE Asia	USD	PHAGZ00	PHBAX03	AAQNO00	Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	570,270	462 573
LLDPE Butene CFR S Asia Weekly	USD	AAVAQ04	AAVAQ03	Spot	CFR SA	South Asia	15-30 days forward from date of publication	100	500	MT	270	462	
LLDPE Butene CFR SE Asia Weekly	USD	PHAHA00	PHBAW03	Spot	CFR SEA	Southeast Asia	15-30 days forward from date of publication	100	500	MT	270	462	
LLDPE China Domestic Yuan/mt Weekly	CNY	AA0TW00		Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	270		
C6 Metallocene CFR FE Asia Weekly	USD	AAXWN04		Spot	CFR FEA	China	15-30 days forward from date of publication	100	500	MT	270		
C6 Metallocene CFR SE Asia Weekly	USD	AAXYN04		Spot	CFR SEA	Southeast Asia	15-30 days forward from date of publication	100	500	MT	270		
C6 Metallocene CFR South Asia Weekly	USD	AAXUX04		Spot	CFR SA	South Asia	15-30 days forward from date of publication	100	500	MT	270		
Polypropylene (PP)													
PP Bi-axially Oriented Film CFR FE Asia Weekly	USD	AAAYW00	AAAYX00	Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	282		
PP Bi-axially Oriented Film CFR S Asia Weekly	USD	AAAYU00	AAAYV00	Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Bi-axially Oriented Film CFR SE Asia Weekly	USD	AAAYY00	AAAYZ00	Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Copol CFR FE Asia Weekly	USD	PHAHZ00	PHBCJ03	Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	282	462	
PP Copol CFR S Asia Weekly	USD	AAAZA00	AAAZB00	Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Copol CFR SE Asia Weekly	USD	PHAI00	PHBCI03	Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	

POLYMERS

Assessment	CURRENCY CODE		Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	DELIVERY PERIOD	MIN SIZE	MAX SIZE	UOM	PC Page	Mavg	Wavg
												CODE		
PP Inflated Film CFR FE Asia Weekly	USD	PHASJ05	PHASJ03		Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	282	462	
PP Inflated Film CFR S Asia Weekly	USD	AAAYS00	AAAYT00		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Inflated Film CFR SE Asia Weekly	USD	PHASK05	PHASL03		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	
PP Inj CFR FE Asia	USD	PHBIF00	PHBIF03	PHBIG04	Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	965	462	573
PP Inj CFR S Asia Weekly	USD	PHBII04	PHBII03		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Inj CFR SE Asia Weekly	USD	PHBIH04	PHBIH03		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	
PP Raffia CFR FE Asia	USD	PHBIK00	PHBIK03	PHBIK04	Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	965	462	573
PP Raffia CFR S Asia Weekly	USD	PHBIL04	PHBIL03		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Raffia CFR SE Asia Weekly	USD	PHBIJ04	PHBIJ03		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	
PP Raffia China Domestic Yuan/mt Daily	CNY	AAOTY00			Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	282,965		
Polyvinyl Chloride (PVC)														
Suspension CFR India	USD	AAUWU00	AAUWU03		Spot	CFR	India	15-30 days forward from date of publication	100	500	MT	262		
Suspension CFR China	USD	PHAIX00	PHBAN03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	262	462	
Suspension CFR Southeast Asia	USD	PHAIY00	PHBA003		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	262	462	
Ethylene-based China Domestic	CNY	AAUHB00	AAUHB03		Spot	Ex-works	China	15-30 days forward from date of publication	100	500	MT	262		
Carbide-based China Domestic	CNY	AAUHC00	AAUHC03		Spot	Ex-works	China	15-30 days forward from date of publication	100	500	MT	262		
Polystyrene (PS)														
PS G-P CFR China Weekly	USD	PHAIL00	PHBBM03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	278	462	
PS G-P CFR SE Asia Weekly	USD	PHAIM00	PHBBL03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
HIPS CFR China Weekly	USD	PHAIR00	PHBBR03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	278	462	
HIPS CFR SE Asia Weekly	USD	PHAIS00	PHBBQ03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
EPS G-P FOB NE Asia Weekly	USD	AAWEV00	AAWEV03		Spot	FOB	Northeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
EPS F-R FOB NE Asia Weekly	USD	AAWEW00	AAWEW03		Spot	FOB	Northeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
Acrylonitrile Butadiene Styrene (ABS)														
ABS Inj CFR China Weekly	USD	PHAHF00	PHBBZ03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	286	462	
ABS Inj CFR SE Asia Weekly	USD	PHALE00	PHBBY03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	286	462	
Polyethylene Terephthalate (PET)														
PET Bottle Grade FOB NE Asia Weekly	USD	AASKM00	AASKM03		Spot	FOB	Northeast Asia	Loading 15-30 days from date of publication	100	500	MT	625		
PET Bottle Grade FOB SE Asia Weekly	USD	AASML00	AASML03		Spot	FOB	Southeast Asia	Loading 15-30 days from date of publication	100	500	MT	625		
POY 150D/48F China Domestic Weekly	CNY	PPOYC04	PPOYC03		Spot	Ex-tank	China	0-10 days forward from date of publication	10	100	MT	625		
DTY 150D/48F China Domestic Weekly	CNY	PPTYC04	PPTYC03		Spot	Ex-tank	China	0-10 days forward from date of publication	10	100	MT	625		
FDY 150D/96F China Domestic Weekly	CNY	PFDYC04	PFDYC03		Spot	Ex-tank	China	0-10 days forward from date of publication	10	100	MT	625		
PSF 1.4D*38mm China Domestic Weekly	CNY	PPSFC04	PPSFC03		Spot	Ex-tank	China	0-10 days forward from date of publication	10	100	MT	625		
Styrene Butadiene Rubber (SBR)														
ESBR 1502 CFR NE Asia	USD	AAWZI04	AAWZI03	n/a	Spot	CFR	Northeast Asia	30-60 days forward from date of publication	16	20	MT	702	704	
ESBR 1502 CFR SE Asia	USD	AAWZJ04	AAWZJ03	n/a	Spot	CFR	Southeast Asia	30-60 days forward from date of publication	16	20	MT	702	704	

Polymers

Polyethylenes (PE)

Assessment window: Daily assessments of HDPE film grade, LDPE and LLDPE CFR Far East Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments film grade HDPE, LDPE and LLDPE CFR Far East Asia are published on Wednesdays. Weekly assessments for all grades CFR Far East Asia; CFR Southeast Asia, CFR South Asia and domestic China ex-works (in Yuan/mt) based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. Daily Middle East netbacks for LDPE, LLDPE and HDPE are calculated as Platts CFR Far East Asia assessments minus prevailing container freight rate from Al Jubail to Shanghai. This freight rate is updated weekly.

Timing: Cargoes delivered 15-30 days forward from date of publication.

Basis and locations: China main ports Shanghai, Ningbo, Xiamen, Shenzhen, Huangpu, Guangzhou, Xingang, Qingdao, Shantou and Tianjin; CFR Southeast Asia: Indonesia (Jakarta, Surabaya), Singapore, Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Map Ta Phut, Laem Chabang), Vietnam (Ho Chi Minh); CFR South Asia: India (Kolkata, Chennai, Mumbai, Nhava Sheva), Pakistan (Karachi); East China domestic ex-works: Shanghai, Zhejiang and Jiangsu; FOB Middle East: Al Jubail (freight netback from Shanghai).

Cargo size: 100-500 mt.

Terms and conditions: CFR Far East Asia, CFR Southeast Asia, CFR South Asia are assessed up to LC 30 days. The metallocene C6 LLDPE grade is assessed at L/C 30-90 days credit terms. China Domestic is assessed at-sight basis with cash payment. For deals with usance of greater than 30 days, the value of the

extra credit allowance will be factored out for price assessment.

Quality specifications:

Low Density Polyethylene: Melt flow index of 0.3-4.0.

Linear Low Density Polyethylene: CFR FEA, CFR SEA,: CFR South Asia: butene grade with melt flow index of 1.0-2.0.

High Density Polyethylene: Injection, blow-moulding, film and yarn grades.

Injection grade: Melt flow index of 2.0-25.0, with the majority of business focused on crate grade material with melt flow index of 5.0-11.0.

Blow moulding: Medium molecular weight with melt flow index of 0.2-0.35.

Film grade: High and medium molecular weight material with melt flow index of 0.07-0.18.

Yarn grade: Melt flow index of 0.7-1.1.

Metallocene C6 LLDPE : 1-Hexene comonomer with a density of 918-940 kg/m³ with a melt flow index between 1.0-4.5.

Polypropylene (PP)

Assessment window: Daily assessments CFR Far East Asia raffia/injection grade and domestic China ex-works (in Yuan/mt) information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments PP Injection CFR Far East Asia and PP Raffia CFR Far East Asia are published on Wednesdays. Weekly assessments CFR Far East Asia IPP grade, BOPP and block copolymer are published on Wednesdays. Weekly assessments CFR Southeast Asia, CFR South Asia based on latest information sourced from the market up to the close of

the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. China domestic raffia in Yuan/mt is ex-works basis inclusive of the prevailing value added tax and 6.5% import duties. Daily Middle East netbacks are calculated as Platts CFR Far East Asia assessments minus prevailing container freight rate from Al Jubail to Shanghai. This freight rate is updated weekly.

Timing: Cargoes delivered 20-45 days forward from date of publication.

Basis and locations: CFR Far East Asia: China main ports (Shanghai, Shenzhen, Ningbo, Shantou, Hong Kong); CFR Southeast Asia: Indonesia (Jakarta, Surabaya), Singapore, Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Bangkok, Laem Chabang, Map Ta Phut), Vietnam (Ho Chi Minh); CFR South Asia: India (Kolkata, Chennai, Mumbai, Nhava Sheva), Pakistan (Karachi); China domestic: Ex-works Huangpu, Jiulong, Ningbo, Qingdao, Shanghai, Tianjin, Xiamen, Xingang; FOB Middle East: Al Jubail (freight netback from Shanghai).

Cargo size: 100-500 mt.

Terms and conditions: CFR Far East Asia, CFR Southeast Asia, CFR South Asia are assessed up to LC 30 days. China Domestic is assessed at-sight basis with cash payment. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment

Quality specifications: Raffia (also known as flat yarn) with melt flow index of 2.0-4.5; homopolymer injection with melt flow index of 11-20; and inflatable film (IPP); biaxially oriented film (BOPP); and block copolymer with melt flow index of 6-20.

Polyvinyl Chloride (PVC)

Assessment window: Weekly assessments CFR China, CFR Southeast Asia and CFR India based on latest information sourced from the market up to the close of the assessment

window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. Weekly China domestic assessments for ethylene and carbide based ex-works PVC based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. Weekly PVC Middle East netbacks are calculated as Platts CFR China assessments minus prevailing container freight rate from Al Jubail to Shanghai. This freight rate is updated weekly.

Timing: Cargoes delivered 15-30 days forward from date of publication.

Basis and locations: CFR China: Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Jiangyin, Zhuhai, Zhenjiang, Zhangjiagang, Hong Kong; CFR Southeast Asia: Indonesia, Singapore, Philippines, Malaysia, Thailand, Vietnam; CFR India: Nhava Sheva, Kolkata, Chennai, Mumbai. Domestic China: Shanghai, Zhejiang, Jiangsu, Shandong, Hebei, Tianjin, Guangdong, Fujian.

Cargo size: 100-500 mt.

Terms and conditions: CFR China and CFR Southeast Asia are assessed up to LC 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. Domestic China is assessed at-sight basis with cash payment.

Quality specifications: Suspension grade with K value of 66-68 (SG 5).

Polystyrene (PS)

Assessment window: Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. For Expandable polystyrene, weekly assessment FOB Northeast Asia based on latest information sourced from the market up to the close of

the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays.

Timing: Cargoes delivered 15-30 days forward from date of publication.

Basis and locations: CFR China: Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Jiangyin, Zhuhai, Zhenjiang, Zhangjiagang, Hong Kong; CFR Southeast Asia: Indonesia (Jakarta, Belawandeli), Singapore, Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Bangkok), Vietnam (Ho Chi Minh).

Cargo size: 100-500 mt.

Terms and conditions: CFR China and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: General-purpose polystyrene (GPPS) grade with melt flow index of 8.0-12.0; high impact polystyrene (HIPS) grade with melt flow index of 3.0-8.0. EPS (expandable polystyrene) general grade and fire retardant grade with a bead size of 0.5-1.3 mm and a density of 10-20 grams per liter (g/l).

Acrylonitrile Butadiene Styrene (ABS)

Assessment window: Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays.

Timing: Cargoes delivered 15-30 days forward from date of publication.

Basis and locations: CFR China: Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Jiangyin, Zhuhai, Zhenjiang, Zhangjiagang, Hong Kong; CFR Southeast

Asia: Indonesia (Jakarta, Belawandeli), Singapore, Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Bangkok), Vietnam (Ho Chi Minh).

Cargo size: 100-500 mt.

Terms and conditions: CFR China and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: Injection grade with melt flow index of 10-40.

Polyethylene Terephthalate (PET)

Assessment window: Assessments are based on the latest information sourced from the market up to the close of the assessment window at 4.30pm Singapore time (0830 GMT) on Wednesday.

Timing: Loading 15-30 days from date of publication.

Basis and Locations: FOB Northeast Asia: South Korea (Ulsan, Yeosu), China (Jiangyin, Dalian, Zhangzhou, Ningbo, Shanghai), Taiwan (Mailiao, Taoyuan); FOB Southeast Asia: Thailand (Rayong), Malaysia (Port Klang), Indonesia (Cilegon, West Java).

Standard cargo size: 100-500 mt.

Credit terms: FOB Northeast Asia and FOB Southeast Asia are assessed up to 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

Quality Specifications: Bottle-grade PET, Minimum intrinsic viscosity of 0.76.

Polyester Yarn and Fiber

Timing: China domestic cargoes are assessed 0-10 days forward from date of publication.

Basis and Locations: China domestic in yuan/mt on an ex-tank east China (Zhejiang, Jiangsu, Fujian) basis

Standard cargo size: 10-100mt

Credit terms: Assessed on an at-sight basis with cash payment. China domestic assessments include current value added tax.

Quality Specifications: Partially Oriented Yarn (POY) 150D/48F, white and semi-dull; Draw Textured Yarn (DTY) 150D/48F, white and semi-dull; Fully Drawn Yarn (FDY) 150D/96F, white and semi-dull; Polyester Staple Fiber (PSF) 1.4D*38mm, white, semi-dull, and direct-spun.

Styrene Butadiene Rubber (SBR)

Assessment window: Weekly assessments CFR Northeast Asia

and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays.

Timing: Cargoes delivered 30-60 days forward from date of publication.

Basis and locations: CFR Northeast Asia: (Shanghai, Nanjing, Nantong, Qingdao, Tianjin, Guangzhou); South Korea (Busan, Kwangyang, Incheon, Ulsan, Yeosu); CFR Southeast Asia: Singapore, Thailand (Bangkok).

Cargo size: Base package of synthetic rubber is 16-20 mt depending on manufacturer.

Terms and conditions: CFR Northeast Asia and CFR Southeast Asia are assessed up to 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: Non-oil extended emulsion SBR (ESBR1502). Mooney viscosity ML 1-4 (100 degrees Celsius)

(ASTM D 1646) 52 MU), Bound Styrene (ASTM D 5775) 23.5% wt, Organic Acid (ASTM D 5774) 6% wt, Soap (ASTM D 5774) 0.5% wt maximum, Volatile Matter (ASTM D 5668) 0.75% wt maximum, Ash (ASTM D 5667) 0.5% wt maximum.

Middle East Polymer Netbacks

Platts publishes Middle East polymer netbacks on a weekly basis for the following resins: LDPE, LLDPE, film-grade HDPE, homopolymer injection grade PP, and PVC. The netbacks for PVC are calculated using CFR China, whilst PP and PE are calculated using Platts CFR Far East Asia assessments, minus the prevailing container freight rate from Al Jubail to Shanghai for a standard 20-foot and 40-foot container. The freight rate is updated weekly. For product specifications and assessment standards, please refer to the Asia polymers section of the Asian Methodology Guide.

For freight methodology, please refer to the shipping methodology document.

INTERMEDIATES

Assessment	CURRENCY CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	DELIVERY/LOADING PERIOD	MIN SIZE	MAX SIZE	UOM	CONV	CODE	Mavg	Wavg
Normal Butyl Alcohol (NBA)														
NBA CFR CHINA	USD	PHANQ00	PHANR03	Spot	CFR	China	10-30 days forward from date of publication	1,000	1,000	MT	162		460	
NBA CFR SOUTHEAST ASIA	USD	PHANS00	PHANT03	Spot	CFR	Southeast Asia	10-30 days forward from date of publication	1,000	1,000	MT	162		460	
2-ethyl hexanol (2-EH)														
2-EH CFR CHINA	USD	PHANU00	PHANV03	Spot	CFR	China	10-30 days forward from date of publication	1000	1,000	MT	162		460	
2-EH CFR SOUTHEAST ASIA	USD	PHANW00	PHANX03	Spot	CFR	Southeast Asia	10-30 days forward from date of publication	1000	1,000	MT	162		460	
Diocetyl Phthalate (DOP)														
DOP CFR CHINA	USD	PHANY00	PHANZ03	Spot	CFR	China	10-30 days forward from date of publication	500	1,000	MT	162		460	
DOP CFR SOUTHEAST ASIA	USD	PHAOA00	PHAOB03	Spot	CFR	Southeast Asia	10-30 days forward from date of publication	100	500	MT	162		460	
Phthalic Anhydride (PA)														
PA CFR CHINA	USD	PHAOC00	PHAO03	Spot	CFR	China	10-30 days forward from date of publication	500	1,000	MT	162		460	
PA CFR SOUTHEAST ASIA	USD	PHAOE00	PHAO03	Spot	CFR	Southeast Asia	10-30 days forward from date of publication	100	200	MT	162		460	
Caprolactam (CPL)														
CPL FL CFR FE Asia Weekly	USD	PHAOS00	PHAOT03	Spot	CFR	Far East Asia	15-30 days forward from date of publication	1000	2000	MT	180		460	
CPL FL CFR SE Asia Weekly	USD	PHAOU00	PHAOV03	Spot	CFR	Southeast Asia	15-30 days forward from date of publication	500	1000	MT	180		460	
Acrylonitrile (ACN)														
ACN CFR FE Asia Weekly	USD	PHA0000	PHA0P03	Spot	CFR	Far East Asia	up to 30 days forward from date of publication	1,000	2,000	MT	177/458		460	
ACN CFR SE Asia Weekly	USD	PHA0Q00	PHA0R03	Spot	CFR	Southeast Asia	up to 30 days forward from date of publication	1,000	2,000	MT	177/458		460	
ACN CFR South Asia Weekly	USD	AAWMA00	AAWMA03	Spot	CFR	South Asia	up to 30 days forward from date of publication	2,000	3,000	MT	177/458		460	
Purified Terephthalic Acid (PTA)														
PTA CFR China	USD	AAWAY00	AAWAY03	AAWAY04	Spot	CFR	China	15-30 days forward from date of publication	1,000	1000	MT	179, 737	460	179
PTA CFR SE Asia Wk	USD	PHASA00	PHASB03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	500	2000	MT	179		460
PTA CFR India Wk	USD	AAXIU04	AAXIU03		Spot	CFR	India	15-30 days forward from date of publication	1,000	3000	MT	179		460
PTA China domestic ex-warehouse	CNY	AAWJA00		AAWJA04	Spot	Ex-warehouse	China	10 days forward from date of publication	100	500	MT	179, 737		179
Ethylene Dichloride/Vinyl Chloride Monomer (EDC/VCM)														
EDC CFR Far East Asia	USD	PHAO000	PHAOX03		Spot	CFR	Far East Asia	20-40 days forward from date of publication	3000	5000	MT	183		460
EDC CFR Southeast Asia	USD	PHAOY00	PHAOZ03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	3000	5000	MT	183		460
VCM CFR Far East Asia	USD	PHAPA00	PHAPB03		Spot	CFR	Far East Asia	15-30 days forward from date of publication	2000	6000	MT	183		460
VCM CFR Southeast Asia	USD	PHAPC00	PHAPD03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	2000	6000	MT	183		460
Acetic Acid (AA), Vinyl Acetate Monomer (VAM)														
Acetic Acid CFR FE Asia Weekly	USD	PHAOG00	PHAOH03		Spot	CFR	Northeast Asia	15-30 days forward from date of publication	1000	2000	MT	22.04	174, 458	460
Acetic Acid CFR SE Asia Weekly	USD	PHAOI00	PHAOJ03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	1000	2000	MT	22.04	174, 458	460
Acetic Acid CFR South Asia Weekly	USD	AAWVZ00	AAWVZ03		Spot	CFR	South Asia	15-30 days forward from date of publication	1000	2000	MT	22.04	174, 458	460
Acetic Acid China Domestic Yuan/mt Weekly	CNY	AAUNG04	AAUNG03		Spot	Ex-tank	China	0-15 days forward from date of publication	200	500	MT	22.04	174, 458	460
Acetic Acid FOB China Weekly	USD	AAUNF04	AAUNF03		Spot	FOB	China	15-30 days forward from date of publication	1000	2000	MT	22.04	174, 458	460

INTERMEDIATES

Assessment	CURRENCY CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	DELIVERY/LOADING PERIOD	MIN SIZE	MAX SIZE	UOM	CONV	CODE	Mavg	Wavg
VAM CFR China Weekly	USD	PHAOK00	PHAOL03	Spot	CFR	China	15-30 days forward from date of publication	1000	2000	MT	22.04	174,458	460	
VAM CFR SE Asia Weekly	USD	PHAOM00	PHAON03	Spot	CFR	Southeast Asia	15-30 days forward from date of publication	500	1000	MT	22.04	174,458	460	
VAM CFR South Asia Weekly	USD	AAVSC04	AAVSC03	Spot	CFR	South Asia	15-30 days forward from date of publication	1000	2000	MT	22.04	174,458	460	
VAM China Domestic Ex-Tank Yuan/mt Weekly	CNY	AAVSD04	AAVSD03	Spot	Ex-tank	China	up to 10 days	200	500	MT	22.04	174,458	460	

Intermediates

Normal Butyl Alcohol (NBA)

Assessment window: Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 10-30 days forward from date of publication.

Basis and locations: CFR China: Zhangjiagang, Lanshan, Ningbo, Zhenjiang, Zhuhai; CFR Southeast Asia: Indonesia (Merak), Singapore (Jurong Island), Thailand (Map Ta Phut).

Cargo size: 1,000 mt.

Terms and conditions: CFR China and CFR Southeast Asia are assessed at 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

Quality specifications: Minimum purity of 99.5%, maximum water content of 0.05%.

2-Ethyl Hexanol (2-EH)

Assessment window: Weekly assessments CFR China and CFR

Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 10-30 days forward from date of publication.

Basis and locations: CFR China: Zhangjiagang, Lanshan, Ningbo, Zhenjiang, Zhuhai; CFR Southeast Asia: Singapore (Jurong Island), Thailand (Map Ta Phut), Vietnam (Ho Chi Minh).

Cargo size: 1,000 mt.

Terms and conditions: CFR China and CFR Southeast Asia are assessed at 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

Quality specifications: Minimum purity of 98%.

Dioctyl Phthalate (DOP)

Assessment window: Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 10-30 days forward from date of publication.

Basis and locations: CFR China: Zhangjiagang, Changzhou, Shantou, Ningbo, Wenzhou, Tianjin; CFR Southeast Asia: Indonesia (Jakarta), Malaysia (Pasir Gudang, Port Klang), Philippines (Manila), Thailand (Bangkok, Laem Chabang), Vietnam (Ho Chi Minh).

Cargo size: 500-1,000 mt for CFR China; 100-500 mt for CFR SEA.

Terms and conditions: CFR China and CFR Southeast Asia are assessed at 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

Quality specifications: Minimum purity of 99.5%; maximum water content of 0.05%; maximum free water content of 0.05%; maximum colour of 25 Hazen.

Phthalic Anhydride (PA)

Assessment window: Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 10-30 days forward from date of publication.

Basis and Locations: CFR China: Shanghai, Huangpu, Ningbo;

CFR Southeast Asia: Indonesia (Jakarta, Surabaya) Singapore (Jurong Island), Vietnam (Ho Chi Minh); Thailand (Bangkok), Malaysia (Pasir Gudang, Port Klang, Penang), Philippines (Manila).

Cargo size: 500-1,000 mt for CFR China; 100-200 mt for CFR SEA.

Terms and conditions: CFR China and CFR Southeast Asia are assessed at 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

Quality specifications: Flake grade with minimum purity of 99.5%.

Caprolactam (CPL)

Assessment window: Weekly assessments CFR Far East Asia and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 15-30 days forward from date of publication.

Basis and locations: CFR Far East Asia: China (Shanghai, Ningbo, Zhangjiagang, Xiamen, Guangzhou, Jiangmen, Qingdao, Tianjin, Dalian); Taiwan (Kaohsiung); CFR Southeast Asia: Malaysia (Port Klang), Indonesia (Tanjung Priok), Thailand (Bangkok).

Cargo size: 1,000-2,000 mt for CFR FEA; 500-1,000 mt for CFR SEA.

Terms and conditions: CFR Far East Asia and CFR Southeast Asia are assessed up to 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: Flake grade with maximum water content of 100 ppm.

Acrylonitrile (ACN)

Assessment window: Weekly assessments CFR Far East Asia, CFR Southeast Asia, and CFR South Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesdays.

Timing: Cargoes delivered up to 30 days forward from date of publication.

Basis and locations: CFR Far East Asia: China (Ningbo, Lianyungang, Shanghai, Lanshan, Qinhuangdao) Taiwan (Kaohsiung); CFR Southeast Asia: Indonesia (Jakarta), Thailand (Map Ta Phut, Bangkok); CFR South Asia: India (Kandla, Mundra, Mumbai, Cochin).

Cargo size: 1,000-2,000 mt for CFR FEA and SEA, 2,000-3,000 mt for CFR South Asia.

Terms and conditions: CFR Far East Asia, CFR Southeast Asia, and CFR South Asia are assessed up to 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: Minimum purity of 99.9%.

Purified Terephthalic Acid (PTA)

Assessment window: Daily assessments CFR China and ex-warehouse Chinese domestic assessments based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT).. Weekly assessments CFR Southeast Asia and CFR India based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT)

on Fridays.

Timing: Cargoes delivered 15-30 days forward from date of publication. China Domestic cargoes are assessed 10 days forward from date of publication.

Basis and locations: CFR China: Ningbo, Zhangjiagang, Shanghai; CFR Southeast Asia: Indonesia (Merak, Jakarta), Malaysia (Port Klang), Thailand (Laem Chabang), Vietnam (Ho Chi Minh); CFR India: Mumbai.

Cargo size: 1,000 mt for CFR China; 500-2,000 mt for CFR SEA, 1,000-3,000 mt for CFR India, 100-500 mt for domestic China ex-warehouse.

Terms and conditions: CFR China, CFR Southeast Asia and CFR India are assessed at 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment. China Domestic is assessed at-sight basis with cash payment. China domestic assessments include prevailing value added tax.

Quality specifications: Minimum purity of 95%.

Ethylene Dichloride (EDC)

Assessment window: Weekly assessments CFR Far East Asia and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 20-40 days forward from date of publication.

Basis and locations: CFR Far East Asia: Korea (Daesan, Ulsan, Yeosu); Taiwan (Kaohsiung, Mailiao); Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); China (Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Tianjin); CFR Southeast Asia: Indonesia

(Merak), the Philippines (Manila Bay anchorage, barge cost not included), Malaysia (Kertih), Thailand (Map Ta Phut).

Cargo size: 3,000-5,000 mt.

Terms and conditions: CFR Far East Asia and CFR Southeast Asia are assessed up to 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment

Quality specifications: Minimum purity of 99%.

Vinyl Chloride Monomer (VCM)

Assessment window: Weekly assessments CFR Far East Asia and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 15-30 days forward from date of publication.

Basis and locations: CFR Far East Asia: Korea (Daesan, Ulsan, Yeosu); Taiwan (Kaohsiung, Mailiao); Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); China (Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Tianjin); CFR Southeast Asia: Indonesia (Merak), the Philippines (Manila Bay anchorage, barge cost not included), Malaysia (Kertih), Thailand (Map Ta Phut).

Cargo size: 2,000-6,000 mt.

Terms and conditions: CFR Far East Asia and CFR Southeast Asia are assessed up to 30 days. For deals with usance of

greater than 30 days, the value of the extra credit allowance will be factored out for price assessment

Quality specifications: Minimum purity of 99%.

Acetic Acid (AA)

Assessment window: Weekly assessments CFR Far East Asia, CFR Southeast Asia, CFR South Asia, FOB China and domestic China ex-tank based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: CFR Far East Asia, CFR Southeast Asia and CFR South Asia evaluate cargoes delivered 15-30 days forward from date of publication. FOB China evaluates cargoes loaded 15-30 days forward from date of publication. China domestic: parcels loaded 0-15 days from date of publication.

Basis and locations: CFR Far East Asia: Taiwan (Kaohsiung, Mailiao, Taichung), South Korea (Ulsan); CFR Southeast Asia: Indonesia (Jakarta), Thailand (Bangkok); CFR South Asia: India (Kandla, Mumbai, Mangalore, Cochin) and FOB China: Jiangyin, Zhangjiagang. China domestic: Ex-tank Jiangyin, Zhangjiagang.

Cargo size: CFR Far East Asia, CFR Southeast Asia, CFR South Asia and FOB China: 1,000-2,000 mt. Domestic China: 200-500 mt.

Terms and conditions: CFR Far East Asia, CFR Southeast Asia, South Asia, and FOB China are assessed up to 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. China domestic is assessed at-sight basis with cash payment.

Quality specifications: Minimum purity of 99%.

Vinyl Acetate Monomer (VAM)

Assessment window: Weekly assessments CFR China, CFR Southeast Asia, CFR South Asia and domestic China ex-tank based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

Timing: Cargoes delivered 15-30 days forward from date of publication for CFR assessments, and up to 10 days for domestic China.

Basis and locations: CFR China: Ningbo, Jiangyin, Nantong, Shanghai, Zhangjiagang; CFR Southeast Asia: Indonesia (Jakarta), Thailand (Bangkok); CFR South Asia: India (Kandla, Mumbai); Domestic China: Ex-tank Jiangyin, Zhangjiagang.

Cargo size: 1,000-2,000 mt for CFR China and CFR S Asia; 500-1,000 mt for CFR SEA; 200-500 mt for domestic China.

Terms and conditions: CFR China, CFR Southeast Asia, and CFR South Asia are assessed up to 30 days. For domestic east China, the loading period used for the assessments will be up to 10 days from the date of publication. The domestic price will be assessed on an at-sight basis with cash payment. For deals with usance of greater than 30 days the value of the extra credit allowance will be factored out for price assessment.

Quality specifications: Minimum purity of 99%.

SOLVENTS

Assessment	CURRENCY CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	DELIVERY/LOADING PERIOD	MIN SIZE	MAX SIZE	UOM	CONV	CODE	PC Page	Wavg
													Mavg	
Phenol														
Phenol CFR China Weekly	USD	AAUAR04	AAUAR03	Spot	CFR	China	20-40 days forward from date of publication	1000	3,000	MT	450		447	
Phenol CFR SEA Weekly	USD	AAUA004	AAUA003	Spot	CFR	Southeast Asia	20-40 days forward from date of publication	500	1,000	MT	450		447	
Phenol CFR India Weekly	USD	AAVAS04	AAVAS03	Spot	CFR	India	15-30 days forward from date of publication	500	2,000	MT	450		447	
Acetone														
Acetone CFR China Weekly	USD	AAUAQ04	AAUAQ03	Spot	CFR	China	20-40 days forward from date of publication	1000	3,000	MT	450		447	
Acetone CFR SEA Weekly	USD	AAUAP04	AAUAP03	Spot	CFR	Southeast Asia	20-40 days forward from date of publication	500	1,000	MT	450		447	
Acetone CFR India Weekly	USD	AAVAT04	AAVAT03	Spot	CFR	India	15-30 days forward from date of publication	500	1,000	MT	450		447	

Solvents

Phenol

Assessment window: Weekly assessments CFR China, CFR India and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesday.

Timing: Cargoes delivered 20-40 days forward from date of publication for CFR China and CFR SEA; cargoes delivered 15-30 days forward from date of publication for CFR India.

Basis and locations: CFR China: Ningbo, Shanghai, Zhangjiagang, Huangpu, Dalian; CFR Southeast Asia: Singapore, Thailand (Map Ta Phut), Indonesia (Merak, Gresik), Malaysia (Pasir Gudang, Bintulu); CFR India: JNPT, Kandla and Hazira.

Cargo size: 1,000-3,000 mt for CFR China; 500-1,000 mt for CFR SEA; 500-2,000 mt for CFR India

Terms and conditions: CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment. CFR India payment terms are by letter of credit 30-90 days, with applicable anti-dumping duty, or ADD, normalized according to Platts standards.

Quality specifications: ASTM 2439-96

Acetone

Assessment window: Weekly assessments CFR China, CFR India and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesday.

Timing: Cargoes delivered 20-40 days forward from date of publication for CFR China and CFR SEA; cargoes delivered 15-30 days forward from date of publication for CFR India.

Basis and locations: CFR China: Ningbo, Shanghai, Zhangjiagang, Huangpu, Dalian; CFR Southeast Asia: Singapore, Thailand (Map Ta Phut); Indonesia (Merak, Gresik), Malaysia (Pasir Gudang, Bintulu). CFR India: Mumbai, Kandla, Hazira and Vizag.

Cargo size: 1,000-3,000 mt for CFR China; 500-1,000 mt for CFR SEA; 500-1,000 mt for CFR India

Terms and conditions: CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment. CFR India payment terms are by letter of credit 30-90 days, with applicable anti-dumping duty, or ADD, normalized according to Platts standards.

Quality specifications: ASTM D329.

CHLOR-ALKALI

Assessment	CURRENCY CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	DELIVERY/LOADING PERIOD	MIN SIZE	MAX SIZE	UOM	CONV CODE	PC Page	
												Mavg	Wavg
Caustic Soda													
FOB NE Asia	USD	AAVSE04	AAVSE03	Spot	FOB	Northeast Asia	20-40 days forward from date of publication	2000	6000	MT	534	380	
CFR Southeast Asia	USD	AAVSF04	AAVSF03	Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2000	6000	MT	534	380	
Domestic China Ex-works	CNY	AAXDE00	AAXDE03	Spot	Ex-works	China		100	500	MT	534		

Chlor-alkali

Caustic Soda

Assessment window: Weekly assessments FOB Northeast Asia, CFR Southeast Asia, and domestic China are based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesdays.

Timing: FOB Northeast Asia cargoes loaded 20-40 days forward from date of publication. CFR Southeast Asia cargoes delivered

20-40 days forward from date of publication.

Basis and locations: FOB Northeast Asia: South Korea (Daesan, Ulsan, Yeosu), Taiwan (Kaohsiung, Mailiao), Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki), and China (Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Tianjin, Ningbo). CFR Southeast Asia: Indonesia (Merak), Philippines (Manila), Thailand (Map Ta Phut) and Malaysia (Kertih). Domestic China: Ex-works East China.

Cargo size: 2,000-6,000 mt for FOB NEA and CFR SEA; 100-500 mt for domestic China.

Terms and conditions: FOB Northeast Asia and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of extra credit allowance will be factored out for price assessment. Domestic China: L/C at sight.

Quality specifications: Assessments typically are for caustic soda solution 50% commercial grade (membrane or diaphragm) for FOB NEA and CFR SEA; caustic soda solution 32% for domestic China.

ASIA POLYMERS FREIGHT NETBACKS

Assessment	CODE	Mavg	Wavg	CONTRACT TYPE	CONTRACT BASIS	LOCATION	MIN SIZE	MAX SIZE	UOM	CONV	CODE	PC Page	
												Mavg	Wavg
PP Inj FOB Middle East Netback	AAWFA00	AAWFA03	AAWFA04	Contract		Middle East-China	20 foot container	20 foot container	foot		621		620
PP Raffia FOB Middle East Netback	AAWFB00	AAWFB03	AAWFB04	Contract		Middle East-China	20 foot container	20 foot container	foot		621		620
HDPE Film FOB Middle East Netback	AAWHK00	AAWHK03	AAWHK04	Contract		Middle East-China	20 foot container	20 foot container	foot		621		620
LDPE Film FOB Middle East Netback	AAWHL00	AAWHL03	AAWHL04	Contract		Middle East-China	20 foot container	20 foot container	foot		621		620
LLDPE FOB Middle East Netback	AAWHM00	AAWHM03	AAWHM04	Contract		Middle East-China	20 foot container	20 foot container	foot		621		620
PVC FOB Middle East Weekly	AASMW00	AASMW03		Contract		Middle East-China	20 foot container	20 foot container	foot		620		

Liquid (easy) chemicals, gas chemicals, polymers freight

Platts assesses freight rates for liquid chemicals, gas chemicals and polymers in Asia. Please refer to the Freight methodology and specifications guide for details of these assessments: https://www.spglobal.com/platts/plattscontent/_assets/_files/en/our-methodology/methodology-specifications/freight-methodology.pdf

Platts global petrochemical indices

Indices: Platts publishes on a daily basis the following petrochemical indices, which are based on the assessments indicated in parentheses. The indices appear in Platts Petrochemical Alert (PCA) page 900.

- Global Ethylene (CFR NE Asia, FD NWE, FD USG)
- Global Propylene (FOB Korea, FD NWE, FD USG)
- Global Benzene (FOB Korea, CIF ARA, FOB USG)

- Global Toluene (FOB Korea, FOB Rotterdam, FOB USG)
- Global Paraxylene (FOB Korea, FOB Rotterdam, and FOB US Gulf)
- Global Low density polyethylene (CFR N Asia, FD NWE, FAS Houston)
- Global Polypropylene homopolymer (CFR N Asia, FD NWE, FAS Houston)
- Global Petrochemical Index (PGPI) (1)

Weighted averages for each index above by region are as follows:

- Global Ethylene (CFR NE Asia, FD NWE, FD USG), 0.48 Asia, 0.24 for US and 0.28 for Europe.
- Global Propylene (FOB Korea, FD NWE, FD USG), 0.63 Asia, 0.19 for US and 0.17 for Europe.
- Global Benzene (FOB Korea, CIF ARA, FOB USG), 0.67 Asia, 0.13

for US and 0.19 for Europe.

- Global Toluene (FOB Korea, FOB Rotterdam, FOB USG), 0.49 Asia, 0.30 for US and 0.21 for Europe.
- Global Paraxylene (FOB Korea, FOB Rotterdam, and FOB US Gulf), 0.85 Asia, 0.09 for US and 0.06 for Europe.
- Global Low density polyethylene (CFR N Asia, FD NWE, FAS Houston), 0.37 Asia, 0.19 for US and 0.44 for Europe.
- Global Polypropylene homopolymer (CFR N Asia, FD NWE, FAS Houston), 0.64 Asia, 0.14 for US and 0.22 for Europe.

The distribution reflects the relative sizes of the regional markets based on production capacity, as of 2015.

(1) The Platts Global Petrochemical Index (PGPI) is calculated based on the individual global product indices with the following weight distribution: 0.32 ethylene, 0.24 propylene, 0.11 benzene, 0.05 toluene, 0.10 paraxylene, 0.05 LDPE, and 0.14 PP.

Units: USD/mt.

Appendix I

Typical aromatics operations

These practices represent a guideline, but are not Platts specifications. Platts assesses typical practice in each market.

Terms and conditions FOB Korea:

- 1) Buyer to declare the half month loading by 10th of the preceding month (for benzene and toluene).

Buyer to declare the half month loading by 15 days prior to the first day of the month (for styrene, isomer-MX).

Buyer declares the half-month of loading on the 15th calendar day of the month prior to the month of loading (PX)2). Seller to declare load port 15 days prior to the first day of the declared half-month laycan (for benzene, toluene, styrene, isomer-MX).

Seller declares the port of loading on the 15th calendar day of the month prior to the month of loading (PX)

- 3) Buyer to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan (for benzene, toluene, styrene, isomer-MX and paraxylene).

- 4) Buyer to nominate vessel 10 days prior to the first day of the 5-day loading laycan (for benzene, toluene, styrene, isomer-MX and paraxylene).

- 5) Buyer to open irrevocable L/C at sight 7 days prior to the first day of the laycan (for benzene, toluene, styrene, isomer-MX).

Terms and conditions CFR China/Taiwan:

Seller to declare the half month of delivery by 15 days prior to the first day of the month (for benzene, toluene, styrene, isomer-MX,).

Seller declares half-month of delivery on the 15th calendar day of the month prior to the month of delivery (PX)

Buyer declares discharge port on the 15th calendar day of the month prior to the month of delivery (PX)

- 2) Buyer to declare discharge port 15 days prior to the half-month delivery period or 15 days prior to the first day of the laycan.
- 3) Seller to nominate vessel 10 days prior to 1st day of the half-month of delivery or 10 days prior to the first day of the laycan.

REVISION HISTORY

July 2019: Platts revised the CFR India methanol assessment to a freight netback formula from its CFR China methanol assessment.

July 2019: Platts launched China domestic polyester yarn and fiber assessments in April 2019.

July 2019: Platts clarified in March 2019 that it would reflect prevailing value added tax in the VAT component of import parity calculations in its domestic China assessments.

July 2019: Platts moved Sections 1-6 of the Platts Methodology and Specifications Guide into a standalone methodology guide.

April 2019: Platts launched butadiene CFR Northeast Asia assessment in January 2019.

March 2019: [Annual Review] Platts completed an annual read-through of the methodology guide, making general typographical changes.

December 2018: Platts changes CFR China methanol delivery laycan to 20-50 days forward from 20-40 days forward.

December 2018: Platts assesses Asia Benzene Domestic East China marker, Domestic East China Import Parity marker, Sinopec Listed Price.

December 2018: Platts discontinues orthoxylene CFR India assessment.

December 2018: Platts moves Asian chemicals freight methodology and tables to Freight methodology and specifications guide.

October 2018: Platts updates MTBE FOB factor to MTBE FOB Singapore factor.

October 2018: Platts updates cargo size for Styrene Monomer CFR China assessment, from 2,000 mt to 2,000-3,000 mt

October 2018: Platts launches CFR India assessment for solvent-MX, and revises quality specifications for solvent-MX.

October 2018: Platts changes the methanol CFR India MOC process from Fridays to Wednesdays.

September 2018: Platts removes Taizhou, Zhangjiagang from CFR China benzene assessments.

August 2018: Platts updates Chinese VAT from 17% to 16% across all Petchems products with a domestic Chinese assessment.

August 2018: Platts launches domestic east China and Shandong China daily propylene assessments.

August 2018: Platts updates solvent mixed xylenes CFR China ports.

June 2018: Platts assesses domestic East China benzene cargoes for prompt, Mo01 and Mo02 laycans.

June 2018: Platts revise methanol cargo volume for CFR China and CFR India.

May 2018: Platts to independently assess CFR Taiwan styrene monomer.

May 2018: Platts revises laycans in Asian benzene marker. Platts added an extra half-month laycan to the Asian benzene FOB Korea assessment on January 15, 2018.

April 2018: [Annual Review] Added revised parts I-VI. General typographical changes, deletions of repeated text. Removed language related to normalization already included in parts I-VI. Platts revises the weekly Wednesday domestic China PP

Raffia assessments to daily assessments on February 1, 2018. Platts adds an extra forward half-month marker laycan to the FOB Korea benzene assessment from January 15, 2018. Platts adds load points in the MTBE FOB Singapore marker to reflect the same loading ports for the Asian Gasoline FOB Straits methodology from January 5, 2018.

January 2018: Platts launches daily forward domestic China styrene assessments on February 1, 2018.

January 2018: Platts revises the timing for Asia polypropylene to 20-45 days forward from 15-30 days forward, starting January 4, 2018.

January 2018: Platts moves the three half-month marker laycans in the FOB Korea and CFR Taiwan/China paraxylene assessments forward by a half-month, simultaneously removing the prompt half-month laycan from the marker, from January 2, 2018.

December 2017: Platts clarifies Asian paraxylene credit terms. Platts discontinues certain Asian paraxylene ports of delivery in the CFR Taiwan.China assessments.

October 2017: Platts adds an extra half-month laycan to the Asian paraxylene FOB Korean and CFR Taiwan/China assessments.

August 2017: Updated Asian PX terms and conditions to reflect clarification note that Platts reflects the delivery of PX of any origin in line with market conventions. In addition Platts may not publish indications to trade which are dealing with restrictive conditions particularly for delivery into ports, terminals which cannot receive vessels above 10,000 dwt. Following market feedback, S&P Global Platts has revised the Styrene Monomer standard operational procedures for FOB Korea, CFR China and CFR Taiwan assessments, effective August 17.

July 2017: Platts clarifies that Taiwan and China remain basis

locations for the PX CFR Taiwan/China marker.

June 2017: Updated Asian PX terms and conditions to reflect the clarification note that Platts assesses open origin cargoes, and that country-specific bids, offers or trades may be normalised or excluded from the assessment.

April 2017: [Annual Review] Removed discontinued Isomer-MX CFR SE Asia Weekly, Solvent-MX CFR China LC 90 Weekly, and Solvent-MX CFR China Weekly assessments, as well as appendix 2. Removed references to Libor from credit terms, clarified VAT rates in domestic China assessments and clarified normalization of basis and locations in benzene assessments. Timing, standard operating procedures and loading in aromatics half-month laycans have also been clarified and updated. In addition, both easy liquid and gas chemical freight assessment methodologies were added.

September 2016: [Annual Review] Platts have updated the methodology guide to enhance the clarity and usefulness of all guides, and to introduce greater consistency of layout and structure across all published methodology guides. The guide

was also updated to add Asia Toluene CFR China new laycans launch and marker calculation update, Asia Styrene Monomer additional laycans for FOB Korea and CFR China, launch of new CFR India Phenol and CFR India Acetone assessments and PX New Freight assessment.

March 2016: Platts have updated the methodology guide to include the updated methodologies for the Global Petrochemical Indices.

March 2016: This methodology guide was updated to add a third half-month marker laycan to its daily Asian paraxylene assessments for FOB Korea and CFR Tai-wan/China.

January 2016: This methodology guide was updated to remove the Natural Rubber Index, and to include new CFR China assessment for Benzene.

November 2015: This methodology guide was updated to amend the timing policies and cargo size for MTBE assessment, and clarification to the specifications of MTBE assessed.

October 2015: This methodology guide was updated for clarification and to include new metallocene grade assessments for LLDPE.

February 2015: This methodology guide was updated to include further description of Platts' processes and practices in survey assessment environments.

February 2015: Updates L/C terms for CFR India PTA assessment from 30 days to 90 days.

August 2014: Platts revamped all Petrochemical Methodology And Specifications Guides, including its Asia-Pacific Petrochemical guide, in August 2014. This revamp was completed to enhance the clarity and usefulness of all guides, and to introduce greater consistency of layout and structure across all published methodology guides. Methodologies for market coverage were not changed through this revamp, unless specifically noted in the methodology guide itself.