

Derivatives Market Notifications

Date: NOVEMBER 30, 2022

Code: A009830

Company Name: HANWHA SOLUTIONS

ISIN: KR7009830001

Subject: Guide to market actions on HANWHA SOLUTIONS Futures-Options in accordance with rights issue

In accordance with Base Price Adjustment (December 1, 2022) on HANWHA SOLUTIONS' common stocks, please be advised that HANWHA SOLUTIONS Futures-Options will be adjusted as follows:

1. HANWHA SOLUTIONS Futures

☐ Price Adjustment

- ° DEC 2022: 50,600
- ° JAN 2023: 50,800
- ° FEB 2023: 51,600
- ° MAR 2023: 51,800
- ° JUN 2023: 52,300
- ° SEP 2023: 52,900
- ° DEC 2023: 53,400
- ° JUN 2024: 54,400
- ° DEC 2024: 55,500

NAME	ISIN	CODE
HANWHA SOL F 202212 (10)	KR41CBSC0003	K1CBSC000(1CBSC)
HANWHA SOL F 202301 (10)	KR41CBT10005	K1CBT1000(1CBT1)
HANWHA SOL F 202302 (10)	KR41CBT20004	K1CBT2000(1CBT2)
HANWHA SOL F 202303 (10)	KR41CBT30003	K1CBT3000(1CBT3)
HANWHA SOL F 202306 (10)	KR41CBT60000	K1CBT6000(1CBT6)
HANWHA SOL F 202309 (10)	KR41CBT90007	K1CBT9000(1CBT9)
HANWHA SOL F 202312 (10)	KR41CBTC0002	K1CBTC000(1CBTC)
HANWHA SOL F 202406 (10)	KR41CBV60006	K1CBV6000(1CBV6)
HANWHA SOL F 202412 (10)	KR41CBVC0008	K1CBVC000(1CBVC)

□ Multiplier Adjustment

° Scope of adjustment: DECEMBER 2022, JANUARY 2023

* After market close of November 30, 2022, all contracts which have open interest

° Multiplier after adjustment: 10.01051048

* Rounding the multiplier $\{10 \times (51,300\text{KRW} \div 51,246.13783901)\}$ at the 9th decimal place (November 30, 2022)

□ Delisting of Futures spread contracts

° Spread between DEC 2022 – FEB 2023

° Spread between DEC 2022 – MAR 2023

° Spread between DEC 2022 – JUN 2023

° Spread between DEC 2022 – SEP 2023

° Spread between DEC 2022 – DEC 2023

° Spread between DEC 2022 – JUN 2024

° Spread between DEC 2022 – DEC 2024

* Delisting on contracts with different multiplier between the latest month and the original month

□ Effective Date (ex-rights date): December 1 (Thursday), 2022

□ Relevant Regulation: Article 25, Article 62 and Article 70 of Derivatives Market Regulation, and Article 9, Article 46 and Article 55 of Enforcement Rule of Derivatives Market Regulation

2. HANWHA SOLUTIONS Options

□ Scope of Market Action

° Strike Price Adjustment: All contracts listed on the trading day (November 30, 2022) prior to the effective date

° Base Price Adjustment: All contracts listed on the trading day (November 30, 2022) prior to the effective date

° Multiplier Adjustment: All contracts listed on the trading day (November 30, 2022) prior to the effective date

□ Market Actions

° Strike Price Adjustment (Article 15, ② of Enforcement Rule)

- Strike Price after adjustment = Strike Price before adjustment X (adjusted base price of the underlying stock ÷ previous day's closing price of the underlying stock)

* Strike price after adjustment: 1) calculating strike price by rounding at the ninth decimal place, and 2) determining in KRW100 unit after rounding at the KRW10 unit place. 3) When a strike price with the same strike price is determined, the strike prices are determined by rounding them sequentially at KRW1 unit place, the first decimal place and the next until the determined strike price is identified.

* Adjusted base price of underlying stock: rounding the price calculated by formula for ex-rights base price at the 9th decimal place

* The previous day's closing price of underlying stock: closing price (common stock) of HANWHA SOLUTIONS on November 30, 2022

° Base Price Adjustment (Article 57, ③ of Enforcement Rule)

- Base Price after adjustment = Base Price before adjustment X (adjusted base price of the underlying stock ÷ previous day's closing price of the underlying stock)

* Base price after adjustment: adjustment to meet a tick size after rounding at the third decimal place

* Base price before adjustment: previous day's settlement price (November 30, 2022) (Article 57 of Derivatives Market Regulation)

* Adjusted base price of underlying stock: rounding the price calculated by formula for ex-rights base price at the 9th decimal place

* The previous day's closing price of underlying stock: closing price (common stock) of HANWHA SOLUTIONS on November 30, 2022

° Multiplier Adjustment (Article 16 of Enforcement Rule)

- Multiplier after adjustment = Multiplier before adjustment X (previous day's closing price of the underlying stock ÷ adjusted base price of the underlying stock)

* Multiplier after adjustment: rounding at the 9th decimal place

* Multiplier before adjustment: standard multiplier is 10

* The previous day's closing price of underlying stock: closing price (common stock) of HANWHA SOLUTIONS on November 30, 2022

* Adjusted base price of underlying stock: rounding the price calculated by formula for ex-rights base price at the 9th decimal place

□ **Effective Date (ex-rights date):** December 1 (Thursday), 2022

☐ Relevant Regulation: Article 30, Article 35 and Article 70 of Derivatives Market Regulation, and Article 15, Article 16, Article 18 and Article 57 of Enforcement Rule of Derivatives Market Regulation