Differences in market data between Arca XDP 1.x and Arca XDP 2.1

XDP Integrated Feed 2.1 - IDs	
Current Arca	• OrderID matches the last 4 bytes of OrderID field in gateway execution report • Trade ID does not match any field in the gateway execution report.
Arca XDP 2.1	• OrderID (8 bytes) matches the OrderID field in gateway execution report • DBExecID (present in Integrated 2.0) is deprecated and set to 0 • TradeID corresponds to the last 4 bytes of the DealID in the gateway execution report

XDP Integrated Feed 2.1 - New message types	
Current Arca	• No RPI message in Integrated Feed. RPI indicator only exists on the BBO feed
Arca XDP 2.1	• RPI message is added to the Integrated Feed

XDP Integrated Feed 2.1 - Changes in execution related messages	
Current Arca	• When non-displayed interest is executed, a Trade message is published by Integrated • When displayed interest is executed, three messages are published by Integrated – Execution, Modify or Delete (depending on whether it was a full or partial execution) and Trade message
Arca XDP 2.1	• When non-displayed interest is executed, a Non-Displayed Trade message will be published by IBF • When displayed interest is executed, only an Execution message is published (no Modify or Delete, and no Trade) • When 2 sitting orders execute against each other (e.g. in a re-price) an execution message is published for each side, one side will have PrintableFlag = 0 • In auctions, a Cross Trade message is published prior to individual Execution or Non-Displayed Trade messages that were part of the auction

XDP Integrated Feed 2.1 - Changes in Add messages	
Current Arca	• If an auction-eligible order is received which is not eligible to trade in the current session (e.g. it's currently Session 1 and the order is marked for Session 2), no Add message is published. Such orders can be executed in the auction. If there is any residual interest, an Add is published after the session transition.
Arca XDP 2.1	• For IPOs only – auction-eligible orders received during Session 1 prior to the IPO auction (even if these orders are marked for Session 2 only) be published immediately as an Add

XDP Integrated Feed 2.1 - Changes in Delete messages	
Current Arca	• Delete Order messages are not published for orders that expire upon session transition. The client has to delete them from his book.
Arca XDP 2.1	• Upon trading session change, Arca will publish a Delete Order message for every order that expired. There will be no Delete Order messages for orders still on the book at the end of day.

XDP Integrated Feed 2.1 and XDP Imbalances Feed 2.1 - Imbalance message	
Current Arca	• TotalImbalanceQty and MarketImbalanceQty fields are signed (minus means Sell imbalance) • ImbalanceSide is 0 • Reference Price is not published
Arca XDP 2.1	• TotalImbalanceQty and MarketImbalanceQty are unsigned. The side of the imbalance is represented by the ImbalanceSide field. • The Reference price is published in addition to the Indicative Match Price. The logic for the Reference price is shown at a high level in the Integrated Feed 2.1 Client Spec, and in full detail in NYSE Rule 7.35P.

XDP Integrated Feed 2.1 - Trading Session Change message	
Current Arca	• A Trading Session Change message is published when session changes
Arca XDP 2.1	• The Trading Session Change will no longer be published. The Security Status message is enhanced to contain the equivalent information.

XDP Integrated Feed 2.1 - Source Time Reference message	
Current Arca	• Source Time Reference messages are published per symbol
Arca XDP 2.1	• Source Time Reference messages are published per TXN

XDP Integrated Feed 2.1 - Security Status changes	
Current Arca	• Security Status for SSR state change is sent for primary stocks only • Security Status does not capture the change in the market state • Halt Condition and SSR state fields are not re-published in any subsequent Security Status message.
Arca XDP 2.1	• Security Status messages for SSR state change are published for both primary and non-primary stocks. • Halt Condition, SSR State and Market State fields are populated with the latest value on every Security Status message regardless of the Security Status field. A Security Status message with a Security Status field of E, O or L is published every time the session changes, even if the stock is halted at the moment of transition. The Halt Condition field expresses any currently prevailing halt condition, even across a session transition.

XDP Integrated Feed 2.1 - all message types	
Arca XDP 2.1	• All message types have more granular field-level changes vs. the current production version. Consult XDP Integrated Client Specification 2.1 and in particular, Appendixes D and E for details.

XDP Trades Feed	
Current Arca	• Odd lot trades that are part of opening/re-opening/closing, are only marked as 'I', but not as 'O'/'5'/'6'
Arca XDP 2.1	• Odd lot trades that are part of opening/re-opening/closing, will be marked as 'O'/'5'/'6' in addition to being marked as 'I'

XDP Trades Feed - all message types	
Arca XDP 2.1	• All message types have more granular field-level changes vs. the current production version.

XDP BBO Feed	
Current Arca	• No RPI indicator
Arca XDP 2.1	• The RPI indicator is now added to the Quote message and is populated in the same way as on the quotes sent to the SIP

February 2, 2017