

PUBLIC JOINT STOCK COMPANY "TRANSNEFT" Reference Obligations List RED code: X6AAANZZO Publication date: 9 Nov 2018 www.ihsmarkit.com

| Reference Entity | Region | Reference Obligation | Issuer | Coupon | Maturity | Date Added |
|------------------------------------------------------------|----------------|----------------------------------------------|--------------------------------------|---------------|----------------------|--------------------------|
| 1 PUBLIC JOINT STOCK COMPANY "TRANSNEFT" | EMEA | No Obligations Specified | | | | |
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| Reference Entity | Region | Expired Reference Obligation | Issuer | Coupon | Maturity | Date Removed |
| Reference Entity PUBLIC JOINT STOCK COMPANY "TRANSNEFT" | Region EMEA | Expired Reference Obligation US89354FAE16 | Issuer TransCapitalInvest Limited | Coupon 8.7 | Maturity 7 Aug 18 | Date Removed 7 Aug 18 |

* The Reference entity was previously known as Oil Transporting Joint Stock Company "Transneft" and later was renamed to PUBLIC JOINT STOCK COMPANY "TRANSNEFT" on 30 June 2016.

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