

Reference Entity *	Region	Reference Obligation	Issuer	Coupon	Maturity	Date Added
1 Sistema Public Joint Stock Financial Corporation	EMEA	No Obligations Specified				

Reference Entity *	Region	Expired Reference Obligations	Issuer	Coupon	Maturity	Date Removed
1 Sistema Public Joint Stock Financial Corporation	EMEA	XS0783242877	SISTEMA INTERNATIONAL FUNDING S.A.	6.95	17 May 2019	17 May 2019
2 Sistema Public Joint Stock Financial Corporation	EMEA	US82977TAA16	SISTEMA INTERNATIONAL FUNDING S.A.	6.95	17 May 2019	17 May 2019

\* The Reference entity was previously known as SISTEMA JOINT STOCK FINANCIAL CORPORATION and later was renamed to Sistema Public Joint Stock Financial Corporation on 20 July 2016.

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