Letterhead of Issuer

ISSUER EFFECTUATION AUTHORISATION AND DISPOSAL INSTRUCTION FOR A PROGRAMME

| Name of | Issuer: | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------|--------------------------------------------------------------------------------------------|------------------------------------|--|--|--|
| Address | of Issuer: | | | | | | |
| Place of E | Execution (city): | | | Date: | | | |
| To: | Name of Commo | on Safekeeper: | CLEARSTREAM BANKING S.A. | | | | |
| | | non Safekeeper: | c/o CLEARSTREAM EUROPE AG CSK DESK TRAKEHNER STRASSE 6 60487 FRANKFURT GERMANY | | | | |
| Dear Sirs, | | | | | | | |
| | | | | | | | |
| | | | | (the Issuer) | | | |
| | | | | Programme name | | | |
| With respect to each global note representing securities issued under the above-mentioned programme received from time to time by Clearstream Banking S.A. [the CSK] from ourselves or | | | | | | | |
| an | y agent | acting on our beha | lf (each a Global Note), we herel | by authorise and instruct the CSK: | | | |
| (i) To act as our agent with respect to the effectuation of each Global Note and, as such, to sign each Global Note as the final act making such note a valid security in accordance with the terms of such Global Note; and | | | | | | | |
| (ii) To | destroy | each Global No | te in accordance with the norn | nal procedure of the CSK upon | | | |
| maturity and final redemption (or, in the case of each temporary global note, full exchange for the relative permanent global note) of such Global Note. | | | | | | | |
| • | essly authorise the oh (i) above to any o | <u>-</u> | te the effectuation authorisation or such CSK. | (the Authorisation) set out in | | | |
| | • | · · | nic signature and we agree that e as valid and conclusive of our i | • | | | |

Authorisation as if this Authorisation was signed by us or on our behalf by manuscript signature.

Letterhead of Issuer

ISSUER EFFECTUATION AUTHORISATION AND DISPOSAL INSTRUCTION FOR A PROGRAMME

We hereby expressly acknowledge and agree that any execution of this Authorisation by our authorised representative via the abovementioned electronic process is made in full knowledge of the technology implemented, any related terms of use and in compliance with the applicable electronic signature laws and regulations, and accordingly, to the extent permitted by law, hereby irrevocably and unconditionally waive any right we may have to initiate any claim and/or legal action, directly or indirectly arising out of or relating to the reliability of such electronic signature process and/or its evidence of our intention to enter into this Authorisation.

| Yours faithfully, | | | | |
|-----------------------------|-----------------------------------------------------------------------------------|----------|--------------|---------------------|
| Signed on behalf of: | | | | (the Issuer) |
| Ву: | | | | |
| | (Signature of Authorised Officer of Issuer or agent with Authorisation of Issuer) | | | |
| Print Name of Signatory: | | | | |
| Street Address: | | | | |
| City: | | Country: | Postal Code: | |
| Telephone: | | Email: | | |
| | | | | |

The inclusion of this address and contact information is required by ICSDs.