

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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WORLD PROGRAMMING LIMITED,

Petitioner,

v.

SAS INSTITUTE, INC.,

Patent Owner.

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Case Nos. IPR2019-01460

U.S. Patent 7,447,686

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**PETITIONER WORLD PROGRAMMING LIMITED'S  
POWER OF ATTORNEY**

Pursuant to 37 C.F.R. § 42.10(b), Petitioner World Programming Limited hereby appoints the practitioners at Sheppard Mullin Richter & Hampton LLP that are associated with Customer Number 166,219 as its attorneys to transact all business in the United States Patent and Trademark Office associated with the following proceedings:

*World Programming Limited et al v. SAS Institute Inc.*, IPR2019-01457;

*World Programming Limited et al v. SAS Institute Inc.*, IPR2019-01458;

*World Programming Limited et al v. SAS Institute Inc.*, IPR2019-01459; and

*World Programming Limited et al v. SAS Institute Inc.*, IPR2019-01460.

The individual signing below has the authority to execute this document on behalf of Petitioner World Programming Limited:

Signature:   
Name: Oliver Robinson  
Title: Director

Date: 31 October 2019

SMRH:4819-4280-3883.1

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that on November 8, 2019, a complete copy of the foregoing Petitioner World Programming Limited's Power of Attorney was served via email to all parties to this proceeding at the addresses indicated:

FOR PATENT OWNER:

David B. Cochran (Reg. No. 39,142)

dcochran@jonesday.com

Joseph M. Sauer (Reg. No. 47,919)

jmsauer@jonesday.com

Joshua Nightingale (Reg. No. 67,865)

jrnightingale@jonesday.com

Brenton R. Babcock (Reg. No. 39,592)

brent.babcock@wbd-us.com

Joshua P. Davis (Reg. No. 72,524)

joshua.p.davis@wbd-us.com

Tony Chen (Reg. No. 67,414)

tony.chen@wbd-us.com

Date: November 8, 2019

/Christopher V. Ryan/

Christopher V. Ryan