

**INTERNATIONAL  
STANDARD**

**ISO  
19302**

First edition  
2018-12

---

---

**Graphic technology — Colour  
conformity of printing workflows**



Reference number  
ISO 19302:2018(E)

© ISO 2018



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Printing workflow requirements</b> .....	<b>3</b>
4.1 Job colour definition.....	3
4.1.1 General.....	3
4.1.2 Digital file creation.....	4
4.1.3 Graphic content.....	4
4.1.4 Spot colour and device colour build.....	4
4.2 Process colour reproduction.....	5
4.2.1 Colour management.....	5
4.2.2 Prepress.....	6
4.2.3 Process control.....	6
4.3 Product colour conformity.....	7
4.3.1 General.....	7
4.3.2 Print control.....	7
4.3.3 Colour control.....	7
<b>5 Printing workflow standards requirements</b> .....	<b>8</b>
5.1 Job colour definition.....	8
5.1.1 Digital file creation.....	8
5.1.2 Validation print production.....	8
5.1.3 Proofing.....	8
5.2 Process colour reproduction.....	8
5.2.1 Colour management.....	8
5.2.2 Prepress.....	9
5.2.3 Prepress for commercial printing.....	9
5.2.4 Prepress for packaging printing.....	9
5.2.5 Process control.....	9
5.3 Product colour conformity.....	9
5.3.1 Print control.....	9
5.3.2 Colour control.....	10
5.4 Measurement conditions.....	10
5.4.1 General.....	10
5.4.2 Measurement conditions for commercial printing.....	11
5.4.3 Measurement conditions for packaging printing.....	11
5.5 Viewing and illumination.....	11
5.6 Sampling.....	11
<b>6 Scoring schema</b> .....	<b>12</b>
<b>7 Reporting</b> .....	<b>12</b>
<b>Annex A (informative) Colour control</b> .....	<b>13</b>
<b>Annex B (informative) Information exchange</b> .....	<b>14</b>
<b>Annex C (informative) Typical scoring schemas</b> .....	<b>15</b>
<b>Bibliography</b> .....	<b>17</b>