

---

---

**Language resource management —  
Semantic annotation framework  
(SemAF) —**

**Part 2:  
Dialogue acts**

*Gestion des ressources langagières — Cadre d'annotation sémantique  
(SemAF) —*

*Partie 2: Actes de dialogue*





**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

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  
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>v</b>
<b>Introduction</b> .....	<b>vi</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 Use cases</b> .....	<b>5</b>
<b>5 Basic concepts and metamodel</b> .....	<b>6</b>
5.1 Dialogue acts.....	6
5.2 Dependence relations.....	8
5.3 Rhetorical relations.....	9
5.4 Qualifiers.....	11
5.5 Metamodel.....	11
<b>6 Multifunctionality, multidimensionality and segmentation</b> .....	<b>11</b>
6.1 Multifunctionality.....	11
6.2 Multidimensionality and dimensions.....	13
6.3 Segmentation.....	14
<b>7 Specification of the annotation scheme</b> .....	<b>15</b>
7.1 Overview.....	15
7.2 Dimensions.....	15
7.2.1 Overview.....	15
7.2.2 Task and Task Management.....	16
7.2.3 Auto-Feedback and Allo-Feedback.....	16
7.2.4 Turn Management.....	16
7.2.5 Time Management.....	16
7.2.6 Discourse Structuring.....	17
7.2.7 Social Obligations Management.....	17
7.2.8 Own- and Partner Communication Management.....	17
7.2.9 Contact Management.....	17
7.3 Communicative functions.....	17
7.3.1 Overview.....	17
7.3.2 General-purpose functions.....	19
7.3.3 Dimension-specific functions.....	20
7.3.4 Responsive communicative functions.....	21
7.4 Functional and feedback dependences.....	22
7.5 Qualifiers.....	22
<b>8 The Dialogue Act Markup Language (DiAML)</b> .....	<b>23</b>
8.1 Overview.....	23
8.2 Abstract syntax.....	24
8.3 Concrete syntax.....	24
8.4 Semantics.....	26
<b>9 Extension and customization</b> .....	<b>27</b>
9.1 Overview.....	27
9.2 Simplifying the annotation scheme: options and selections.....	27
9.3 Extending the annotation scheme: triple-layered plug-ins and interfaces.....	28
<b>Annex A (normative) Formal specification of DiAML</b> .....	<b>30</b>
<b>Annex B (normative) DiAML-XML technical schema</b> .....	<b>36</b>
<b>Annex C (normative) Data categories for DiAML concepts</b> .....	<b>40</b>
<b>Annex D (informative) Plug-ins for semantic content and other enrichments</b> .....	<b>62</b>