

Contents

1 Scope	13
2 Normative references	13
3 Definitions.....	13
4 Data model	14
4.1 Introduction	15
4.2 Overview model	15
4.3 Recipe model	17
4.4 Equipment model	29
4.5 Production planning and scheduling	31
4.6 Production information management	34
5 Relational tables for information exchange	37
5.1 Introduction	37
5.2 Master recipe information.....	52
5.3 Process cell equipment model exchange.....	64
5.4 Schedule information exchange.....	71
5.5 Production information exchange	75
5.6 Exchange table domains.....	78
6 Procedure function charts.....	80
6.1 Procedure function chart notation	81
6.2 Control recipe depiction	99
6.3 Exception handling.....	99
Annex A (normative) — Data modeling technique	101
Annex B (normative) — SQL definition listing	105
Annex C (informative) — Abbreviations	117
Annex D (informative) — Language guidelines	119
Annex E (informative) — Procedure function chart processing examples	121