

Business requirements for end-to-end visibility of logistics flow

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	2
5 Business requirements overview	2
6 Logistics information service system network architecture requirements	4
6.1 Network architecture requirements overview	4
6.2 LISS network entities	5
6.2.1 Logistics information service system (LISS)	5
6.2.2 Single window	6
6.2.3 Data providers	6
6.2.4 Data users	6
6.3 Network architecture requirement between different LISSs	6
6.4 Network architecture requirement between LISS and SW/SSP	6
6.5 Network architecture requirement between LISS and data providers	6
6.6 Network architecture requirement between LISS and data users from other LISSs	6
7 Visibility data interchange requirements between LISSs	7
7.1 Event data classification	7
7.2 Data control for different entities in the LISS network	8
8 Visibility data interface and process requirements for LISS network	8
8.1 Unified user management and authentication process requirements	8
8.1.1 Federation authentication among LISSs	8
8.1.2 Enable users log in to multiple LISSs and query services by single sign-on	8
8.2 Open data access	8
9 Guideline for business participants and stakeholders	8
9.1 LISS operator	8
9.2 Single window operator	9
9.3 Data providers	9
9.4 Data users	9
Annex A (informative) Use cases and gap analysis	10
Annex B (informative) Related standards and organizations	17
Bibliography	23