# ISO/IEC 24752-8:2018 (E)

## Information technology — User interfaces — Universal remote console — Part 8: User interface resource framework

## Contents


Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Conformance

5 Use cases (informative)

- 5.1 General
- 5.2 User interface localisation
- 5.3 User interface personalisation
- 5.4 User interface accessibility
- 5.5 User interface responsiveness
- 5.6 User interface settings

6 Workflow model (informative)

- 6.1 General
- 6.2 Storing and retrieving a user-context
- 6.3 Storing and retrieving a task-context
- 6.4 Storing and retrieving an equipment-context
- 6.5 Storing and retrieving an environment-context
- 6.6 Describing resources
- 6.7 Finding and retrieving matching resources
- 6.8 Describing user interface settings
- 6.9 Finding and retrieving matching user interface settings

7 REST interfaces for services

- 7.1 General
- 7.1.1 REST architecture (informative)
- 7.1.2 Request and response parameters
- 7.1.3 Response codes
- 7.1.4 Authentication
- 7.1.5 Other general requirements
- 7.2 User-context
- 7.2.1 General
- 7.2.2 CREATE user-context (mandatory)
- 7.2.3 GET user-context (mandatory)
- 7.2.4 UPDATE user-context (mandatory)
- 7.2.5 DELETE user-context (optional)
- 7.2.6 GET user-context-list (mandatory)
- 7.3 Task-context
- 7.3.1 General
- 7.3.2 CREATE task-context (mandatory)
- 7.3.3 GET task-context (mandatory)
- 7.3.4 UPDATE task-context (mandatory)
- 7.3.5
- 7.3.5 DELETE task-context (optional)
- 7.3.6 GET task-context-list (mandatory)

7.4 Equipment-context
7.4.1 General
7.4.2 CREATE equipment-context (mandatory)
7.4.3 GET equipment-context (mandatory)
7.4.4 UPDATE equipment-context (mandatory)
7.4.5 DELETE equipment-context (optional)
7.4.6 GET equipment-context-list (mandatory)
7.5 Environment-context
7.5.1 General
7.5.2 CREATE environment-context (mandatory)
7.5.3 GET environment-context (mandatory)
7.5.4 UPDATE environment-context (mandatory)
7.5.5 DELETE environment-context (optional)
7.5.6 GET environment-context-list (mandatory)
7.6 Resource
7.6.1 General
7.6.2 CREATE resource (mandatory)
7.6.3 GET resource-by-ID (mandatory)
7.6.4 GET resource-from-listing (mandatory)
7.6.5 UPDATE resource (optional)
7.6.6 DELETE resource (optional)
7.7 Resource-description
7.7.1 General
7.7.2 CREATE resource-description (mandatory)
7.7.3 GET resource-description-by-ID (mandatory)
7.7.4 GET resource-description-from-listing (mandatory)
7.7.5 UPDATE resource-description (mandatory)
7.7.6 DELETE resource-description (optional)
7.8 Listing
7.8.1 General
7.8.2 CREATE listing (mandatory)
7.8.3 GET listing (mandatory)
7.8.4 DELETE listing (optional)
7.8.5 CONFIRM user-rating (optional)

8 Security considerations

Annex A (normative) Mapping for XML

A.1 General
A.2 User-context
A.2.1 General
A.2.2 CREATE user-context (mandatory)
A.2.3 GET user-context (mandatory)
A.2.4 UPDATE user-context (mandatory)
A.2.5 DELETE user-context (optional)
A.2.6 GET user-context-list (mandatory)
A.3 Task-context
A.3.1 General
A.3.2 CREATE task-context (mandatory)
A.3.3 GET task-context (mandatory)
A.3.4 UPDATE task-context (mandatory)
A.3.5 DELETE task-context (optional)
A.3.6 GET task-context-list (mandatory)
A.4 Equipment-context
A.4.1 General
A.4.2 CREATE equipment-context (mandatory)
A.4.3 GET equipment-context (mandatory)
A.4.4 UPDATE equipment-context (mandatory)
A.4.5 DELETE equipment-context (optional)
A.4.6 GET equipment-context-list (mandatory)
A.5 Environment-context
A.5.1 General
A.5.2 CREATE environment-context (mandatory)
A.5.3 GET environment-context (mandatory)

A.5.4 UPDATE environment-context (mandatory)
A.5.5 DELETE environment-context (optional)
A.5.6 GET environment-context-list (mandatory)
A.6 Resource
A.6.1 General
A.6.2 CREATE resource (mandatory)
A.6.3 GET resource-by-ID (mandatory)
A.6.4 GET resource-from-listing (mandatory)
A.6.5 UPDATE resource (optional)
A.6.6 DELETE resource (optional)
A.7 Resource-description
A.7.1 General
A.7.2 CREATE resource-description (mandatory)
A.7.3 GET resource-description-by-ID (mandatory)
A.7.4 GET resource-description-from-listing (mandatory)
A.7.5 UPDATE resource-description (mandatory)
A.7.6 DELETE resource-description (optional)
A.8 Listing
A.8.1 General
A.8.2 CREATE listing (mandatory)
A.8.3 GET listing (mandatory)
A.8.4 DELETE listing (optional)
A.8.5 CONFIRM user-rating (optional)

Annex B (normative) Mapping for JSON

B.1 General
B.2 User-context
B.2.1 General
B.2.2 CREATE user-context
B.2.3 GET user-context (mandatory)
B.2.4 UPDATE user-context (mandatory)
B.2.5 DELETE user-context (optional)
B.2.6 GET user-context-list (mandatory)
B.3 Task-context
B.3.1 General
B.3.2 CREATE task-context (mandatory)
B.3.3 GET task-context (mandatory)
B.3.4 UPDATE task-context (mandatory)
B.3.5 DELETE task-context (optional)
B.3.6 GET task-context-list (mandatory)
B.4 Equipment-context
B.4.1 General
B.4.2 CREATE equipment-context (mandatory)
B.4.3 GET equipment-context (mandatory)
B.4.4 UPDATE equipment-context (mandatory)
B.4.5 DELETE equipment-context (optional)
B.4.6 GET equipment-context-list (mandatory)
B.5 Environment-context
B.5.1 General
B.5.2 CREATE environment-context (mandatory)
B.5.3 GET environment-context (mandatory)
B.5.4 UPDATE environment-context (mandatory)
B.5.5 DELETE environment-context (optional)
B.5.6 GET environment-context-list (mandatory)
B.6 Resource
B.6.1 General
B.6.2 CREATE resource (mandatory)
B.6.3 GET resource-by-ID (mandatory)
B.6.4 GET resource-from-listing (mandatory)
B.6.5 UPDATE resource (optional)
B.6.6 DELETE resource (optional)
B.7 Resource-description
B.7.1 General
B.7.2 CREATE resource-description (mandatory)

B.7.3 GET resource-description-by-ID (mandatory)
B.7.4 GET resource-description-from-listing (mandatory)
B.7.5 UPDATE resource-description (mandatory)
B.7.6 DELETE resource-description (optional)
B.8 Listing
B.8.1 General
B.8.2 CREATE listing (mandatory)
B.8.3 GET listing (mandatory)
B.8.4 DELETE listing (optional)
B.8.5 CONFIRM user-rating (optional)

**Page count: 86**