

ISO/IEC 29341-29-10:2017-09 (E)

Information technology - UPnP Device Architecture - Part 29-10: Multiscreen device control protocol - Level 2 - Application management service

Contents		Page
1	Scope	vi
2	Normative references	1
3	Terms, definitions, symbols and abbreviations	2
4	Notations and Conventions	2
5	Service Modelling Definitions	2
5.1	Service Type	2
5.2	Key Concepts	2
5.2.1	AMS features	2
5.2.2	SECURITY feature	3
5.3	State Variables	5
5.3.1	FeatureList	6
5.3.2	A_ARG_TYPE_AppIDs	6
5.3.3	AppInfoList	7
5.3.4	A_ARG_TYPE_AppInfo	10
5.3.5	SupportedTargetFields	11
5.3.6	A_ARG_TYPE_Target	11
5.3.7	A_ARG_TYPE_TargetFields	11
5.3.8	RunningAppList	11
5.3.9	TransitioningApps	11
5.3.10	A_ARG_TYPE_URI	11
5.3.11	A_ARG_TYPE_Parameters	11
5.3.12	A_ARG_TYPE_ConnectionIDs	12
5.4	Eventing and Moderation	12
5.5	Actions	12
5.5.1	GetFeatureList()	13
5.5.2	GetAppInfoByIDs()	14
5.5.3	GetSupportedTargetFields()	14
5.5.4	GetAppIDList()	15
5.5.5	GetRunningAppList()	16
5.5.6	GetRunningStatus()	16
5.5.7	StartAppByID()	17
5.5.8	StartAppbyURI()	18
5.5.9	StopApp()	19
5.5.10	InstallAppByID()	20
5.5.11	InstallAppByURI()	21
5.5.12	UninstallApp()	22
5.5.13	GetInstallationStatus()	23
5.5.14	GetAppConnectionInfo()	24
5.5.15	ConnectApptoApp()	25
5.5.16	DisconnectApptoApp()	25
5.5.17	GetCurrentConnectionInfo()	26
5.5.18	Non-Standard Actions Implemented by a UPnP Vendor	27
5.5.19	Common Error Codes	27
6	XML Service Description	28
7	Test	34

Table 1 -- AMS features	3
Table 2 -- Error Codes for Action Level Access	4
Table 3 -- ApplicationManagement Roles	4
Table 4 -- Action to Role Permission Mapping	5
Table 5 --State variables	6
Table 6 -- Allowed values for function element	9
Table 7 -- Allowed values for connectionAddress element	9
Table 8 -- Required fields for SupportedTargetFields	11
Table 9 -- Event moderation	12
Table 10 -- Actions	13
Table 11 -- Arguments for GetFeatureList()	13
Table 12 -- Error Codes for GetFeatureList()	14
Table 13 -- Arguments for GetAppInfoByIDs()	14
Table 14 -- Error Codes for GetAppInfoByIDs()	14
Table 15 -- Arguments for GetSupportedTargetFields()	15
Table 16 -- Error Codes for GetSupportedTargetFields()	15
Table 17 -- Arguments for GetAppIDList()	15
Table 18 -- Error Codes for GetAppIDList()	15
Table 19 -- Arguments for GetRunningAppList()	16
Table 20 -- Error Codes for GetRunningAppList()	16
Table 21 -- Arguments for GetRunningStatus()	16
Table 22 -- Error Codes for GetRunningStatus()	17
Table 23 -- Arguments for StartAppByID()	17
Table 24 -- Error Codes for StartAppByID()	18
Table 25 -- Arguments for StartAppByURI()	18
Table 26 -- Error Codes for StartAppByURI()	19
Table 27 -- Arguments for StopApp()	19
Table 28 -- Error Codes for StopApp()	20
Table 29 -- Arguments for InstallAppByID()	20
Table 30 -- Error Codes for InstallAppByID()	21
Table 31 -- Arguments for InstallAppByURI()	22

Table 32 -- Error Codes for InstallAppByURI()	22
Table 33 -- Arguments for UninstallApp()	23
Table 34 -- Error Codes for UninstallApp()	23
Table 35 -- Arguments for GetInstallationStatus()	24
Table 36 -- Error Codes for GetInstallationStatus()	24
Table 37 -- Arguments for GetAppConnectionInfo()	24
Table 38 -- Error Codes for GetAppConnectionInfo()	25
Table 39 -- Arguments for ConnectApptoApp()	25
Table 40 -- Error Codes for ConnectApptoApp()	25
Table 41 -- Arguments for DisconnectApptoApp()	26
Table 42 -- Error Codes for DisconnectApptoApp()	26
Table 43 -- Arguments for GetCurrentConnectionInfo()	26
Table 44 -- Error Codes for GetCurrentConnectionInfo()	27
Table 45 -- Common Error Codes	27