Data Dictionary
Abbry.
DFD 0
QOL
SEC
INV
ENV
B2Q
Q2B
B2S
S2B
B2I
I2B
B2E
E2B
UTL MGR
U_IN
U_OUT
U2Q
Q2U
U2S
S2U
U2I
I2U
U2E
E2U
D OUT
D_OUT
D_IN
D2Q
Q2D
D2S
S2D
D2I
I2D
D2E
E2D
3.4.5.1
Q2V
V2Q
V2D
D2V
Q2S
S2Q
Q2P
P2Q
P2S
S2P
D2S
S2D
V2B
B2V
SC2B
•

B2SC
B2P
P2B
1 23
2 4 5 2
3.4.5.3
B2S
S2B
B2T
T2B
S2T
T2S
T2HC
S2HC
HC2S
S2LC
LC2S
HC2D
D2HC
L2D
D2L
<u>3.4.5.3.2</u>
T2HC
A2HC
HC2A
B2HC
HC2B
BR2HC
S2HC
SZITC
0.4.5.0.0.4
3.4.5.3.2.1
BoilerIsOff
NeedNoHeat
TurnBoilerOff
A/CIsOff
NeedNoA/C
NeedHeat
TurnBoilerOn
BoilerOn
NeedA/C
TurnOnA/c
A/CisOn
<u>3.4.5.3.3</u>
LC2OL
OL2LC
LC2IL
IL2LC
OL2SD
SD2OL
IL2SD
SD2IL

<u>3.4.5.3.3.1</u>
NeedOutLight
TurnOnOut
OutsideLightsOn
NeedInsideLight
TurnOnInside
InsideLightsOn
NotNeedInLights
TurnOffIn
NotNeedOutLights
TurnOffOut
OutsideLightsOff
InsideLightsOff
<u>3.4.5.3.4.1</u>
B2T
T2B
T2CT
CT2T
T2TZ
TZ2T
CT2LC
CT2HC
3.4.5.3.4.1
WhatIsCurrentTime
CheckCPUTime
CurrentTime
Conemine
ReturnCurrentTime
ReturnCurrentTime WhatIsTimeZone
ReturnCurrentTime WhatIsTimeZone CheckTimeZone
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone
ReturnCurrentTime WhatIsTimeZone CheckTimeZone
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR VR2A
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR VR2A A2VR
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR VR2A A2VR A2B
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR VR2A A2VR A2B B2A
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR VR2A A2VR A2B B2A A2PRO PRO2A
ReturnCurrentTime WhatIsTimeZone CheckTimeZone currentTimeZone ReturnCurrentTimeZone DFD 3.4.5.4 PRE2PRO PRO2PRE SENS2VR VR2PRO PRO2VR VR2B B2VR VR2A A2VR A2B B2A A2PRO

PRO2M	
M2PRO	

MZPRO
3.4.5.2
V2S
S2V
V2D
D2V
Q2V
V2Q
B2V
V2B
V2P
P2V
V2P
P2V
V2I
I2V
V2P
P2V
V2F
F2V
V2SR
SR2V
P2I
I2P
F2SR
SR2F
F2I
12F
F2R
R2F
P2R
R2P
R2S
S2R
B2SR
SR2B
B2P
P2B
3.4.5.2. <u>1</u>
Occupied state
Voice detected
Process voice
Response Generated
Not Authorized
Authorized
Make forward decision
Start Timer
Timer expired
Command Approval
Generate System Respor
<u> </u>

3.4.5.2.2 V2STT STT2V
STT2V
P2STT
STT2P
STT2S
S2STT
P2S
S2P
B2S
S2B
I2S
S2I
3.4.5.2.2.1
Voice detected
Speech To Text
Voice processed
Sending to Interpretaion
<u>3.4.5.2.3</u>
C2I
I2C
I2E
E2I
E2C
C2E
E2F
F2E
C2P
P2C
3.4.5.2.3.1
Command Found
Execute Interpretation
Command Accpeted
Make Forward Decision
Request Authorization
-
3.4.5.2.4
P2F
F2P
I2F
F2I
I2P
P2I
P2IC
IC2P
P2R
R2P
FA2I
I2FA
FA2S
S2FA
3.4.5.2.4.1
Voice detected
Speech To Text
opecon 10 Text

Identifying Command Typ
Command Approval
<u>3.4.5.2.5</u>
TTS2S
S2TTS
S2G
G2S
TTS2G
G2TTS
F2G
G2F
B2G
G2B
TTS2B
B2TTS
<u>3.4.5.2.5.1</u>
Received text
Text To Speech
Generating Response

Manadan
<u>Meaning</u>
Smart House
Quality of life
Security
Inventory
Environmental
Brain to Quality of life
Quality of life to brain
Brain to Security
Security to brain
Brain to Inventory
Inventory to Brain
Brain To Environmental
Environmental to Brain
Utilities Manager
Utilities in to Utilities Manager
Utilities Manager to Utilities
Utilities Manager to Quality of Life
Quality of life to Utilities Manager
Utilities Manager to Security
Security to Utilities Manager
Utilities Manager to Inventory
Inventory to Utilities Manager
Utilities Manager to Environmental
Environmental to Utilities Manager
Detector out to sensor data
Sensor data in to detector
Detector to quality of life
quality of life to detector
Detector to security
security to detector
detector to Inventory
Inventory to Detector
Detector to environmental
environmental to detector
Quality of life DFD
quality of life to voice
voice to quality of life
voice to detectors
detectors to voice
quality of life to scheduling
scheduling to quality of life
quality of life to profile
profile to quality of life
profile to scheduling
security to profile
detector data to scheduling
scheduling to detector data
voice to brain
brain to voice
scheduling to brain

busin to calculation
brain to scheduling
brain to profile profile to brain
profile to brain
Schoduling DED
Scheduling DFD Brain to scheduling
scheduling to brain
Brain to time
time to brain
scheduling to time
time to scheduling
time to HVAC controller
Scheduling to HVAC Controller
HVAC controller to scheduling
•
scheduling to light controller
light controller to scheduling HVAC to detectors
detectors to HVAC
Light controller to Detector
detector to Light Controller
LIVAC Controller DED
HVAC Controller DFD time to HVAC controller
a/c unit to HVAC controller
HVAC Controller to A/C unit
Boiler to HVAC Controller
HVAC Controller to Boiler
Brain to HVAC controller
Sensor data to HVAC controller
HVAC Controller STD
Boiler is currently Off
No Signal to turn heat on
Turn the boiler off
A/C is currently off
No signal to turn A/C on
Signal to turn heat on
Signal to turn the boiler on
Boiler is currently On
Signal that A/C needs to turn on
Signal to turn A/C on
A/C is currently running
<u>Light Controller DFD</u>
Light Controller to Outdoor lights
outdoor lights to Light controller
Light Controller to Inside Lights
Inside Lights to Light Controller
Outdoor light to sensor data
sensor data to Outdoor light
Inside light to sensor data
sensor data to Inside lights

Light Controller STD
Command for outside lights
turns on outside lights
outside lights are on
Command for inside lights
<u> </u>
turns on inside lights
inside lights are on
command for no inside lights
turns off inside lights
inside lights are off
command for no outside lights
outside lights are off
inside lights are off
Time DFD
Brain to time
time to brain
time to current time
current time to time
time to time zone
time zone to time
current time to light controller
current time to HVAC controller
Time STD
Command to request current time
Checks current time on cpu
reports current time
Returns the current time on the cpu
command to request current time zone
checks cpu current time zone
reports current time zone
returns the current time zone on cpu
Preferences to Profile
Profile to Preferences
Sensors to Voice Recognition
Voice Recognition to Profile
Profile to Voice Recognition
Voice Recognition to Brain
Brain to Voice Recognition
Voice Recognition to Authentication
Authentication to Voice Recognition
Authentication to Brain
Brain to Authentication
Authentication to Profile
Profile to Authentication
Authentication to Media
Media to Authentication

Profile to Media	
Media to Profile	

Media to Profile
Voice-DFD
Voice to Scheduling
Scheduling to Voice
Voice to Detectors Data
Detectors Data to Voice
Qualitiy of Life to Voice
Voice to Quality of Life
Brain to Voice
Voice to Brain
Voice to Profile
Profile to Voice
Voice to Processing
Processing to Voice
Voice to Interpretation
Interpretation to Voice
Voice to Processing
Processing to Voice
Voice to Forwarding
Forwarding to Voice
Voice to System Response
System Response to Voice
Processing to Interpretation
Interpretation to Processing
Forwarding to System Response
System Resonse to Forwarding
Forwarding to Interpretation
Interpretation to Forwarding
Forwarding to Requesting Authentication
Requesting Authentication to Fowarding
Profile to Request Authentication
Requesting Authentication to Profile
Requesting Authentication to Schedule
Scheduling to Request Authentication
Brain to System Response
System Resonse
Brain to Processing
Processing to Brain
Voice-STD
The system operates in the occupied state
The system has detected voice
The system processes voice
·
The system has generated a response The user is not authorized
The user ist authorized
The system makes forward decision The system starts times between command centent decide on whether ignoring centent or not
The system starts timer between command content decide on whether ignoring content or not

The timer has expired and the content will be ignored Command has been approved by the system

The system generates a response for the user

Processing-DFD
Voice to Speech To Text
Speech To Text to Voice
Processing to Speech To Text
<u> </u>
Speech To Text to Processing
Speech To Text to Sending
Sending to Speech To Text
Processing to Sending
Sending to Processing
Brain to Sending
Sending to Brain
Interpretation to Sending
Sending to Interpretation
Processing-STD
The system has detected voice
The system translates voice into system language
The system has processed the voice into text
The system has sent the text to interpretation
Interpretaion-DFD
Check For Command to Interpretation
Interpretaion to Check For Command
Interpretaion to Execute Command
Execute Command to Interpretation
Execute command to Check For Command
Check For Command to Execute Command
Execute Command to Forwarding
Forwarding to Execute Command
Check For Command to Processing
Processing to Check For Command
Processing-STD
The system has found the command within its command list
The system executes interpretation related to the command
The system has accepted the command
The system makes forward decision
The system requests authorization of the user
Forwarding-DFD
time to HVAC controller
a/c unit to HVAC controller
HVAC Controller to A/C unit
Boiler to HVAC Controller
HVAC Controller to Boiler
Brain to HVAC controller
Sensor data to HVAC controller
Identifying Command Type to Processing Forwarding Request
Processing Forwarding Request to Requesting Authentication
Requesting Authentication to Processing Forwarding Request
Forwarding Approval to Identifying Command Type
Identifying Command Type to Forwarding Approval
Forwarding Approval to System Response
· · · · · · · · · · · · · · · · · · ·
System Resonse to Forwarding Approval
Forwarding-STD The system has detected value.
The system has detected voice
The system translates voice into system language

The system identifies command type
The system has approved the command
System Resonse-DFD
Text To Speech to System Response
System Response to Text To Speech
System Resonse to Generating Response
Generating Response to System Response
Text To Speech to Generating Response
Generating Response to Text To Speech
Forwarding to Generating Response
Generating Response to Forwarding
Brain to Generating Response
Generating Response to Brain
Text To Speech to Brain
Brain to Text To Speech
System Response-STD
The system has detected voice
The system translates text into voice
The system generates user response