

# Event Linkage Types

For event card linkages, if the linkage type is event, four major event linkage types are available: 0-device event linkage, 1-alarm input event linkage, 2-access control point (e.g., doors, elevators, etc.) event linkage, and 3-authentication unit (e.g., card reader, fingerprint module, etc.) event linkage. Each major event linkage type corresponds multiple minor types of event linkage, see details in the following content.

## Device Event Linkage

Minor Type	Value	Description
EVENT_ACS_HOST_ANTI_DISMANTLE	0	Access Controller Tampering Alarm
EVENT_ACS_OFFLINE_ECENET_NEARLY_FULL	1	No Memory Alarm
EVENT_ACS_NET_BROKEN	2	Network Disconnected
EVENT_ACS_NET_RESUME	3	Network Connected
EVENT_ACS_LOW_BATTERY	4	Low Battery Voltage
EVENT_ACS_BATTERY_RESUME	5	Battery Fully Charged
EVENT_ACS_AC_OFF	6	AC Power Off
EVENT_ACS_AC_RESUME	7	AC Power On
EVENT_ACS_SD_CARD_FULL	8	SD Card Full Alarm
EVENT_ACS_LINKAGE_CAPTURE_PIC	9	Capture Linkage Event Alarm
EVENT_ACS_IMAGE_QUALITY_LOW	10	Low Face Picture Quality
EVENT_ACS_FINGER_PRINT_QUALITY_LOW	11	Low Fingerprint Picture Quality
EVENT_ACS_BATTERY_ELECTRIC_LOW	12	Low Battery Voltage
EVENT_ACS_BATTERY_ELECTRIC_RESUME	13	Battery Fully Charged
EVENT_ACS_FIRE_IMPORT_SHORT_CIRCUIT	14	Fire Input Short Circuit Attempts Alarm
EVENT_ACS_FIRE_IMPORT_BROKEN_CIRCUIT	15	Fire Input Open Circuit Attempts Alarm
EVENT_ACS_FIRE_IMPORT_RESUME	16	Fire Input Alarm Restored
EVENT_ACS_MASTER_RS485_LOOPNODE_BROKEN	17	RS485 Loop of Main Access Controller Disconnected
EVENT_ACS_MASTER_RS485_LOOPNODE_RESUME	18	RS485 Loop of Main Access

Minor Type	Value	Description
ME		Controller Connected
EVENT_ACS_LOCAL_CONTROL_OFFLINE	19	Distributed Access Controller Offline
EVENT_ACS_LOCAL_CONTROL_RESUME	20	Distributed Access Controller Online
EVENT_ACS_LOCAL_DOWNSIDE_RS485_LOOPNODE_BROKEN	21	Downstream RS485 Loop of Distributed Access Control Disconnected
EVENT_ACS_LOCAL_DOWNSIDE_RS485_LOOPNODE_RESUME	22	Downstream RS485 Loop of Distributed Access Control Connected
EVENT_ACS_DISTRACT_CONTROLLER_ONLINE	23	Distributed Elevator Controller Online
EVENT_ACS_DISTRACT_CONTROLLER_OFFLINE	24	Distributed Elevator Controller Offline
EVENT_ACS_FIRE_BUTTON_TRIGGER	25	Fire Button Pressed
EVENT_ACS_FIRE_BUTTON_RESUME	26	Fire Button Released
EVENT_ACS_MAINTENANCE_BUTTON_TRIGGER	27	Maintenance Button Pressed
EVENT_ACS_MAINTENANCE_BUTTON_RESUME	28	Maintenance Button Released
EVENT_ACS_EMERGENCY_BUTTON_TRIGGER	29	Panic Button Pressed
EVENT_ACS_EMERGENCY_BUTTON_RESUME	30	Panic Button Released
EVENT_ACS_SUBMARINEBACK_COMM_BREAK	32	Communication with Anti-passing Back Server Failed
EVENT_ACS_SUBMARINEBACK_COMM_RESUME	33	Communication with Anti-passing Back Server Restored
EVENT_ACS_REMOTE_ACTUAL_GUARD	34	Remotely Armed
EVENT_ACS_REMOTE_ACTUAL_UNGUARD	35	Remotely Disarmed
EVENT_ACS_MOTOR_SENSOR_EXCEPTION	36	Motor or Sensor Exception
EVENT_ACS_CAN_BUS_EXCEPTION	37	CAN Bus Exception
EVENT_ACS_CAN_BUS_RESUME	38	CAN Bus Restored
EVENT_ACS_GATE_TEMPERATURE_OVERRUN	39	Too High Pedestal Temperature
EVENT_ACS_IR_EMITTER_EXCEPTION	40	Active Infrared Intrusion Detector Exception
EVENT_ACS_IR_EMITTER_RESUME	41	Active Infrared Intrusion Detector

Minor Type	Value	Description
		Restored
EVENT_ACS_LAMP_BOARD_COMM_EXCEPTION	42	Communication with Light Board Failed
EVENT_ACS_LAMP_BOARD_COMM_RESUME	43	Communication with Light Board Restored
EVENT_ACS_IR_ADAPTOR_BOARD_COMM_EXCEPTION	44	Communication with IR Adaptor Failed
EVENT_ACS_IR_ADAPTOR_BOARD_COMM_RESUME	45	Communication with IR Adaptor Restored
EVENT_ACS_CHANNEL_CONTROLLER_DESMANTLE_ALARM	46	Lane Controller Tampering Alarm
EVENT_ACS_CHANNEL_CONTROLLER_DESMANTLE_RESUME	47	Lane Controller Tampering Alarm Restored
EVENT_ACS_CHANNEL_CONTROLLER_FIRE_IMPORT_ALARM	48	Lane Controller Fire Input Alarm
EVENT_ACS_CHANNEL_CONTROLLER_FIRE_IMPORT_RESUME	49	Lane Controller Fire Input Alarm Restored
EVENT_ACS_STAY_EVENT	/	Staying Event
EVENT_ACS_LEGAL_EVENT_NEARLY_FULL	/	No Memory Alarm for Valid Offline Event Storage

### Alarm Input Event Linkage

Minor Type	Value	Description
EVENT_ACS_ALARMIN_SHORT_CIRCUIT	0	Zone Short Circuit Attempts Alarm
EVENT_ACS_ALARMIN_BROKEN_CIRCUIT	1	Zone Open Circuit Attempts Alarm
EVENT_ACS_ALARMIN_EXCEPTION	2	Zone Exception Alarm
EVENT_ACS_ALARMIN_RESUME	3	Zone Alarm Restored
EVENT_ACS_CASE_SENSOR_ALARM	4	Alarm Input Alarm
EVENT_ACS_CASE_SENSOR_RESUME	5	Alarm Input Alarm Restored

## Access Control Point Event Linkage

Minor Type	Value	Description
EVENT_ACS_LEADER_CARD_OPEN_BEGIN	0	Open Door with First Card Started
EVENT_ACS_LEADER_CARD_OPEN_END	1	Open Door with First Card Ended
EVENT_ACS_ALWAYS_OPEN_BEGIN	2	Remain Open Started
EVENT_ACS_ALWAYS_OPEN_END	3	Remain Open Ended
EVENT_ACS_ALWAYS_CLOSE_BEGIN	4	Remain Closed Started
EVENT_ACS_ALWAYS_CLOSE_END	5	Remain Closed Ended
EVENT_ACS_LOCK_OPEN	6	Door Unlocked
EVENT_ACS_LOCK_CLOSE	7	Door Locked
EVENT_ACS_DOOR_BUTTON_PRESS	8	Exit Button Pressed
EVENT_ACS_DOOR_BUTTON_RELEASE	9	Exit Button Released
EVENT_ACS_DOOR_OPEN_NORMAL	10	Door Open (Contact)
EVENT_ACS_DOOR_CLOSE_NORMAL	11	Door Closed (Contact)
EVENT_ACS_DOOR_OPEN_ABNORMAL	12	Door Abnormally Open (Contact)
EVENT_ACS_DOOR_OPEN_TIMEOUT	13	Door Open Timed Out (Contact)
EVENT_ACS_REMOTE_OPEN_DOOR	14	Door Remotely Open
EVENT_ACS_REMOTE_CLOSE_DOOR	15	Door Remotely Closed
EVENT_ACS_REMOTE_ALWAYS_OPEN	16	Remain Open Remotely
EVENT_ACS_REMOTE_ALWAYS_CLOSE	17	Remain Closed Remotely
EVENT_ACS_NOT_BELONG_MULTI_GROUP	18	Card Not in Multiple Authentication Group
EVENT_ACS_INVALID_MULTI_VERIFY_PERIOD	19	Card Not in Multiple Authentication Duration
EVENT_ACS_MULTI_VERIFY_SUPER_RIGHT_FAIL	20	Multiple Authentication Mode: Super Password Authentication Failed
EVENT_ACS_MULTI_VERIFY_REMOTE_RIGHT_FAIL	21	Multiple Authentication Mode: Remote Authentication Failed

Minor Type	Value	Description
EVENT_ACS_MULTI_VERIFY_SUCCESS	22	Multiple Authentication Completed
EVENT_ACS_MULTI_VERIFY_NEED_REMOTE_OPEN	23	Multiple Authentication: Remotely Open Door
EVENT_ACS_MULTI_VERIFY_SUPERPASSWD_VERIFY_SUCCESS	24	Multiple Authentication: Super Password Authentication Completed
EVENT_ACS_MULTI_VERIFY_REPEAT_VERIFY_FAIL	25	Multiple Authentication: Repeated Authentication Failed
EVENT_ACS_MULTI_VERIFY_TIMEOUT	26	Multiple Authentication Timed Out
EVENT_ACS_REMOTE_CAPTURE_PIC	27	Remote Capture
EVENT_ACS_DOORBELL_RINGING	28	Doorbell Ring
EVENT_ACS_SECURITY_MODULE_DESMANTLE_ALARM	29	Secure Door Control Unit Tampering Alarm
EVENT_ACS_CALL_CENTER	30	Center Event
EVENT_ACS_FIRSTCARD_AUTHORIZE_BEGIN	31	First Card Authentication Started
EVENT_ACS_FIRSTCARD_AUTHORIZE_END	32	First Card Authentication End
EVENT_ACS_DOORLOCK_INPUT_SHORT_CIRCUIT	33	Lock Input Short Circuit Attempts Alarm
EVENT_ACS_DOORLOCK_INPUT_BROKEN_CIRCUIT	34	Lock Input Open Circuit Attempts Alarm
EVENT_ACS_DOORLOCK_INPUT_EXCEPTION	35	Lock Input Exception Alarm
EVENT_ACS_DOORCONTACT_INPUT_SHORT_CIRCUIT	36	Contact Input Short Circuit Attempts Alarm
EVENT_ACS_DOORCONTACT_INPUT_BROKEN_CIRCUIT	37	Contact Input Open Circuit Attempts Alarm
EVENT_ACS_DOORCONTACT_INPUT_EXCEPTION	38	Contact Input Exception Alarm
EVENT_ACS_OPENBUTTON_INPUT_SHORT_CIRCUIT	39	Exit Button Input Short Circuit Attempts Alarm
EVENT_ACS_OPENBUTTON_INPUT_BROKEN_CIRCUIT	40	Exit Button Input Open Circuit Attempts Alarm

Minor Type	Value	Description
EVENT_ACS_OPENBUTTON_INPUT_EXCEPTION	41	Exit Button Input Exception Alarm
EVENT_ACS_DOORLOCK_OPEN_EXCEPTION	42	Unlocking Exception
EVENT_ACS_DOORLOCK_OPEN_TIMEOUT	43	Unlocking Timed Out
EVENT_ACS_FIRSTCARD_OPEN_WITHOUT_AUTHORIZE	44	Unauthorized First Card Opening Failed
EVENT_ACS_CALL_LADDER_RELAY_BREAK	45	Call Elevator Relay Open
EVENT_ACS_CALL_LADDER_RELAY_CLOSE	46	Call Elevator Relay Closed
EVENT_ACS_AUTO_KEY_RELAY_BREAK	47	Auto Button Relay Open
EVENT_ACS_AUTO_KEY_RELAY_CLOSE	48	Auto Button Relay Closed
EVENT_ACS_KEY_CONTROL_RELAY_BREAK	49	Button Relay Open
EVENT_ACS_KEY_CONTROL_RELAY_CLOSE	50	Button Relay Closed
EVENT_ACS_REMOTE_VISITOR_CALL_LADDER	51	Visitor Calling Elevator
EVENT_ACS_REMOTE_HOUSEHOLD_CALL_LADDER	52	Resident Calling Elevator
EVENT_ACS_LEGAL_MESSAGE	52	Valid Message
EVENT_ACS_ILLEGAL_MESSAGE	53	Invalid Message
EVENT_ACS_TRAILING	54	Tailgating
EVENT_ACS_REVERSE_ACCESS	55	Reverse Passing
EVENT_ACS_FORCE_ACCESS	56	Force Collision
EVENT_ACS_CLIMBING_OVER_GATE	57	Climbing Over
EVENT_ACS_PASSING_TIMEOUT	58	Passing Timed Out
EVENT_ACS_INTRUSION_ALARM	59	Intrusion Alarm
EVENT_ACS_FREE_GATE_PASS_NOT_AUTH	60	Authentication Failed When Free Passing
EVENT_ACS_DROP_ARM_BLOCK	61	Barrier Obstructed
EVENT_ACS_DROP_ARM_BLOCK_RESUME	62	Barrier Restored
EVENT_ACS_REMOTE_CONTROL_CLOSE_DOOR	63	Door Closed via Keyfob
EVENT_ACS_REMOTE_CONTROL_OPEN_DOOR	64	Door Opened via Keyfob
EVENT_ACS_REMOTE_CONTROL_ALWAYS_OPEN_DOOR	65	Remain Open via Keyfob

## Authentication Unit Event Linkage

Minor Type	Value	Description
EVENT_ACS_STRESS_ALARM	0	Duress Alarm
EVENT_ACS_CARD_READER_DESMANTLE_ALARM	1	Card Reader Tampering Alarm
EVENT_ACS_LEGAL_CARD_PASS	2	Valid Card Authentication Completed
EVENT_ACS_CARD_AND_PSW_PASS	3	Card and Password Authentication Completed
EVENT_ACS_CARD_AND_PSW_FAIL	4	Card and Password Authentication Failed
EVENT_ACS_CARD_AND_PSW_TIMEOUT	5	Card and Password Authentication Timed Out
EVENT_ACS_CARD_MAX_AUTHENTICATE_FAIL	6	Card Authentication Attempts Reach Limit
EVENT_ACS_CARD_NO_RIGHT	7	No Permission for Card
EVENT_ACS_CARD_INVALID_PERIOD	8	Invalid Card Swiping Time Period
EVENT_ACS_CARD_OUT_OF_DATE	9	Expired Card
EVENT_ACS_INVALID_CARD	10	Card No. Not Exist
EVENT_ACS_ANTI_SNEAK_FAIL	11	Anti-passing Back Authentication Failed
EEVENT_ACS_INTERLOCK_DOOR_NOT_CLOSE	12	Interlocking Door Not Closed
EVENT_ACS_FINGERPRINT_COMPARE_PASS	13	Fingerprint Matched
EVENT_ACS_FINGERPRINT_COMPARE_FAIL	14	Fingerprint Mismatched
EVENT_ACS_CARD_FINGERPRINT_VERIFY_PASS	15	Card and Fingerprint Authentication Completed
EVENT_ACS_CARD_FINGERPRINT_VERIFY_FAIL	16	Card and Fingerprint Authentication Failed
EVENT_ACS_CARD_FINGERPRINT_VERIFY_TIMEOUT	17	Card and Fingerprint Authentication Timed Out
EVENT_ACS_CARD_FINGERPRINT_PASSWD_VERIFY_PASS	18	Card, Fingerprint, and Password Authentication Completed

Minor Type	Value	Description
EVENT_ACS_CARD_FINGERPRINT_PASSWD_VERIFY_FAIL	19	Card and Fingerprint Authentication Failed
EVENT_ACS_CARD_FINGERPRINT_PASSWD_VERIFY_TIMEOUT	20	Card and Fingerprint Authentication Timed Out
EVENT_ACS_FINGERPRINT_PASSWD_VERIFY_PASS	21	Fingerprint and Password Authentication Completed
EVENT_ACS_FINGERPRINT_PASSWD_VERIFY_FAIL	22	Fingerprint and Password Authentication Failed
EVENT_ACS_FINGERPRINT_PASSWD_VERIFY_TIMEOUT	23	Fingerprint and Password Authentication Timed Out
EVENT_ACS_FINGERPRINT_INEXISTENCE	24	Fingerprint Not Exist
EVENT_ACS_EMPLOYEEENO_AND_FP_VERIFY_PASS	42	Employee ID and Fingerprint Authentication Completed
EVENT_ACS_EMPLOYEEENO_AND_FP_VERIFY_FAIL	43	Employee ID and Fingerprint Authentication Failed
EVENT_ACS_EMPLOYEEENO_AND_FP_VERIFY_TIMEOUT	44	Employee ID and Fingerprint Authentication Timed Out
EVENT_ACS_EMPLOYEEENO_AND_FP_AND_PW_VERIFY_PASS	45	Employee ID, Fingerprint, and Password Authentication Completed
EVENT_ACS_EMPLOYEEENO_AND_FP_AND_PW_VERIFY_FAIL	46	Employee ID, Fingerprint, and Password Authentication Failed
EVENT_ACS_EMPLOYEEENO_AND_FP_AND_PW_VERIFY_TIMEOUT	47	Employee ID, Fingerprint, and Password Authentication Timed Out
EVENT_ACS_EMPLOYEEENO_AND_PW_PASS	52	Employee ID and Password Authentication Completed
EVENT_ACS_EMPLOYEEENO_AND_PW_FAIL	52	Employee ID and Password Authentication Failed
EVENT_ACS_EMPLOYEEENO_AND_PW_TIMEOUT	53	Employee ID and Password Authentication Timed Out
EVENT_ACS_DOOR_OPEN_OR_DORMANT_FAIL	57	Authentication Failed When Door Remain Closed or Door in Sleeping Mode



Minor Type	Value	Description
EVENT_ACS_AUTH_PLAN_DORMANT_FAIL	58	Authentication Failed When Authentication Schedule in Sleeping Mode
EVENT_ACS_CARD_ENCRYPT_VERIFY_FAIL	59	Card Encryption Verification Failed
EVENT_ACS_SUBMARINEBACK_REPLY_FAIL	60	Anti-passing Back Server Response Failed
EVENT_ACS_PASSWORD_MISMATCH	61	Password Mismatched
EVENT_ACS_EMPLOYEE_NO_NOT_EXIST	62	Employee ID Not Exist
EVENT_ACS_COMBINED_VERIFY_PASS	63	Combined Authentication Completed
EVENT_ACS_COMBINED_VERIFY_TIMEOUT	64	Combined Authentication Timed Out
EVENT_ACS_VERIFY_MODE_MISMATCH	65	Authentication Type Mismatched
EVENT_ACS_PSW_ERROR_OVER_TIMES	67	Maximum Password Authentication Failure Attempts
EVENT_ACS_PSW_VERIFY_PASS	68	Password Authenticated
EVENT_ACS_PSW_VERIFY_FAIL	69	Password Authentication Failed
EVENT_ACS_ORCODE_VERIFY_PASS	70	QR Code Authenticated
EVENT_ACS_ORCODE_VERIFY_FAIL	71	QR Code Authentication Failed
EVENT_ACS_HOUSEHOLDER_AUTHORIZE_PASS	72	Resident Authorization Authenticated
EVENT_ACS_BLUETOOTH_VERIFY_PASS	73	Bluetooth Authenticated
EVENT_ACS_BLUETOOTH_VERIFY_FAIL	74	Bluetooth Authentication Failed
EVENT_ACS_INFORMAL_M1_CARD_VERIFY_FAIL	/	Authentication Failed: Invalid M1 Card
EVENT_ACS_CPU_CARD_ENCRYPT_VERIFY_FAIL	/	Verifying CPU Card Encryption Failed
EVENT_ACS_NFC_DISABLE_VERIFY_FAIL	/	Disabling NFC Verification

Minor Type	Value	Description
		Failed
EVENT_ACS_EM_CARD_RECOGNIZE_NOT_ENABLED	/	EM Card Recognition Disabled
EVENT_ACS_M1_CARD_RECOGNIZE_NOT_ENABLED	/	M1 Card Recognition Disabled
EVENT_ACS_CPU_CARD_RECOGNIZE_NOT_ENABLED	/	CPU Card Recognition Disabled
EVENT_ACS_ID_CARD_RECOGNIZE_NOT_ENABLED	/	ID Card Recognition Disabled
EVENT_ACS_CARD_SET_SECRET_KEY_FAIL	/	Importing Key to Card Failed

margoum.contact@gmail.com  
IA Sport Vision