Workshop: ACT KONE lift Integration

Traditional DCS

Conventional

Hybrid DCS

Turnstile

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ACTpro – KONE Integration

Notes:

- Requires ACTpro 2.15 or later and Subject to License (ACT-KONE)

- ACTpro server, must be running 24*7

- Audience should be familiar with Kone and ACT terms and technologies.

- Vanderbilt recommend that the configuration be done alongside a Kone Engineer who understands the configuration of the KONE Lift on site.

For detailed information on Kone hardware and interfaces, refer to the Kone documentation.

ACTpro – KONE Integration

The access control functionality provided by ACTpro can be integrated with Kone lift systems.

- A card holder presents their card to a Kone Destination Operator Panel (DOP), Car Operator Panel (COP), or turnstile with an integrated ACT reader.

- ACTpro transmits MASK information to the Kone group controller.

- The Kone group controller accepts a request to travel to an allowed floor.

NOTE – This is a licensed add-on to ACT Enterprise.

ACTpro – KONE Integration

Scenario Outline

Step 1: ACTInstall : Door Configuration for COPS/DOPS/Turnstiles

Step 2: ACTManage : Create timezones

Step 3: ACTInstall : Kone Floors configuration / Timezones

Step 4: ACTInstall : Create Kone Group Controllers

Step 5: ACTInstall : Create Kone Panels

Step 6: ACTManage : Usergroup Masks

Step 7: ACTManage : User Mask

Step 8: Review Global masks, User group masks and User masks

ACTpro – KONE Integration – Scenario Outline
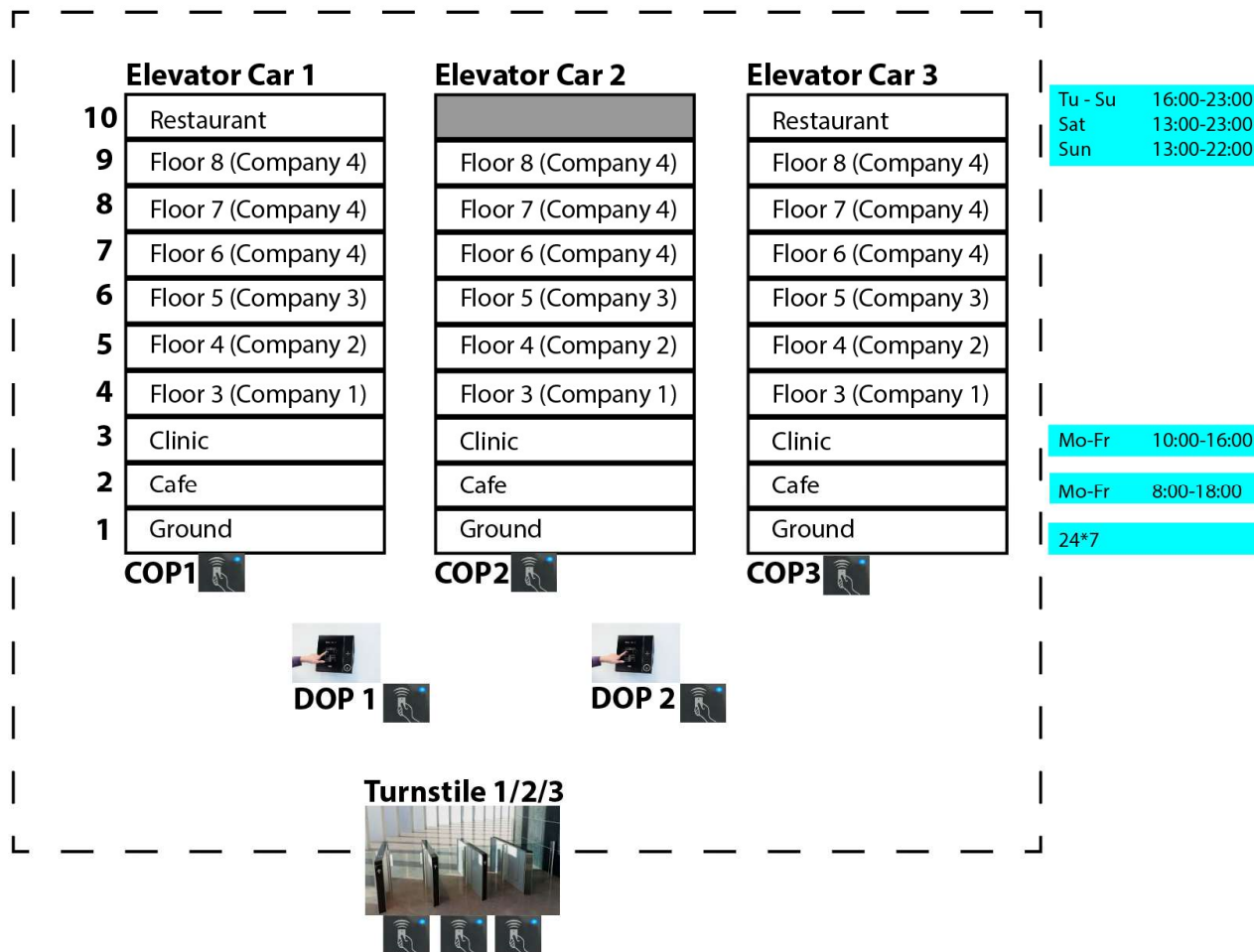
Scenario Outline:

- 3 elevator shafts/cars of upto 10 floors each (Shaft2/car2 = 9 floors)
- Each car has a COP
- 2 DOP stations at reception
- 3 turnstiles on ground floor.
- Default Masks on timezone

ACTpro – KONE Integration

Door configuration

ACTInstall | Advanced Setup | Controllers

ACTpro – KONE Integration

Time Zone Configuration

ACTManage | Manage | Timezones

Example Floor Definition Screen

ACTInstall | Advanced Setup | Kone Lift Configuration | Floor Configuration

ACTpro – KONE Integration

Example Group Controller Definition Screen

ACTInstall | Advanced Setup | Kone Lift Configuration | Group Configuration

	ID	Enabled	Type		Name	Primary IP	Primary Port	Backup IP	Backup Port	Backup IP 2	Backup Port 2	Backup IP 3	Backup Port 3	Backup IP 4	Backup Port 4	Lowest Floor		Highest Floor	
☐	1	☑	ELI	▾	GC1	255.255.255.255	0	255.255.255.255	0	255.255.255.255	0	255.255.255.255	0	255.255.255.255	0	1	↕	10	↕
☐	2	☑	RCGIF	▾	GC2	255.255.255.255	0	255.255.255.255	0	255.255.255.255	0	255.255.255.255	0	255.255.255.255	0	1	↕	10	↕

Tabs: Floor Configuration | **Group Controller** | Panel

Elevator Locking Interface (ELI) : COP & DOPS

Remote Call Giving Interface (RCGIF) : Turnstiles

Four backup servers per protocol

ACTpro – KONE Integration

Example Panel Configuration Screen
ACTInstall | Advanced Setup | Kone Lift Configuration | Panel

	Enabled	Panel Type	Name	Kone Controller	Floor	Terminal ID	COP Group ID	Elevator ID	Door	Lowest Floor	Highest Floor	Call Type	RCGIF Source	Open Timeouts/ms	Specific Access Masks
☐	☑	COP	COP-1	1			1	1	COP-1 C1	1	10			8000	☐
☐	☑	COP	COP-2	1			1	2	COP-2 C2	1	9			8000	☐
☐	☑	COP	COP-3	1			1	3	COP-3 C3	1	10			8000	☐
☐	☑	DOP	DOP-1	1	1	1			DOP-1 C4	1	10			8000	☐
☐	☑	DOP	DOP-2	1	1	2			DOP-2 C5	1	10			8000	☐
☐	☑	Turnstile	TS-1	1	1	1			Turnstile-1 C6	1	10	Normal	Front & Rear	8000	
☐	☑	Turnstile	TS-2	1	1	2			Turnstile-2 C7	1	10	Normal	Front & Rear	8000	
☐	☑	Turnstile	TS-3	1	1	3			Turnstile-3 C8	1	10	Normal	Front & Rear	8000	

Elevator Locking Interface (ELI) : COP & DOPS

Remote Call Giving Interface (RCGIF) : Turnstiles

Four backup servers per protocol

ACTpro – KONE Integration

Example Usergroup Masks

ACT Enterprise – KONE Integration

Example User Masks

End of Presentation