#### **Recovery process**

#### **JULY 14**

- 9.38am
- Hardware failure.

### 9.43am

Process alert received.

### 9.45am

 Incident response team activated.

### 10.14am

 Trade clearing process moved to secondary data centre.

# 1.38am-10.14am

 Missing and duplicate trade confirmation messages occurred.

#### 11.38am

Trading ceased.

## 12.44pm

 Midday Order and Trade file provided to members reflected duplicates and missing trades.

#### 2pm

 Trading could not resume as expected.

## 4pm

 Trading still could not be resumed as reconciliation of order books not completed.

### 11.39pm

• File with all duplicates removed provided to members.

#### **JULY 15** 6.09am

• File with list of missing trades provided to members.

STRAITS TIMES GRAPHICS