

# **Session on FIX and ITCH**

**Week 9**

December 12, 2014  
Ayala Board Room, 4 to 5pm



THE PHILIPPINE  
STOCK EXCHANGE  
INC.

# Meeting Agenda

- I. Main Achievements in this Period
- II. Main Activities in the Next Period
- III. Milestone Report
- IV. FIX Issues
- V. FIX Setup Failover

# Main Achievements in this Period



- I. Submission of the 7<sup>th</sup> & 8<sup>th</sup> Milestone Report for FIX
- II. Submission of the 5<sup>th</sup> Milestone Report for ITCH
- III. Application testing using Beta Release

# Main Activities in the next Period

- I. Submission of the 9<sup>th</sup> Milestone Report for FIX
- II. Submission of 6<sup>th</sup> Milestone Report for ITCH

# Milestone Report (FIX) – 7<sup>th</sup> & 8<sup>th</sup> Submission



**Criteria 1 (40%):** Application development completed based on FIX Specs

| Completion Rate | No. of TP |
|-----------------|-----------|
| Below 20%       | 1         |
| Above 20%       | 30        |
| Complete %      | 1         |
| No response     | 2         |
| <b>Total</b>    | <b>34</b> |

# Milestone Report (FIX) – 7<sup>th</sup> & 8<sup>th</sup> Submission



**Criteria 2 (10%)**: Application was tested successfully against ALPHA 2 environment.

| Completion Rate | No. of TP |
|-----------------|-----------|
| 0%              | 4         |
| Above 5%        | 3         |
| Complete 10%    | 25        |
| No response     | 2         |
| <b>Total</b>    | <b>34</b> |

- 0% - Due to internal restrictions

# Milestone Report (FIX) – 7<sup>th</sup> & 8<sup>th</sup> Submission



**Criteria 3 (10%)**: Broker infra setup complete as per PSE production connectivity requirement.

| Completion Rate | No. of TP |
|-----------------|-----------|
| 0%              | 11        |
| Below 5%        | 6         |
| Above 5%        | 3         |
| Complete 10%    | 12        |
| No response     | 2         |
| <b>Total</b>    | <b>34</b> |

➤ Others: Target Date: Dec. 2014 – Jan. 2015

# Milestone Report (FIX) – 7<sup>th</sup> & 8<sup>th</sup> Submission



**Criteria 4 (10%)**: Broker infra was tested successfully with PSE infra.

| Completion Rate | No. of TP |
|-----------------|-----------|
| 0%              | 20        |
| Below 5%        | 1         |
| Above 5%        | 2         |
| Complete 10%    | 9         |
| No response     | 2         |
| <b>Total</b>    | <b>34</b> |



# Milestone Report (FIX) – 7<sup>th</sup> & 8<sup>th</sup> Submission



**Criteria 5 (10%)**: System (application and infra) was tested against BETA environment and ready to undergo PSE Certification.

| Completion Rate | No. of TP |
|-----------------|-----------|
| 0%              | 23        |
| Below 5%        | 2         |
| Above 5%        | 5         |
| Complete 10%    | 0         |
| No response     | 4         |
| <b>Total</b>    | <b>34</b> |

# Milestone Report (ITCH) – 5<sup>th</sup> Submission



## Criteria 1 (50%): Application development based on ITCH Specs

| Completion Rate | Total View | Basic | Index | News |
|-----------------|------------|-------|-------|------|
| 0% - 25%        | 4          | 5     | 6     | 1    |
| 26% - 50%       | 4          | 4     | 2     | 3    |
| Not Developing  | 1          | 0     | 1     | 5    |
| No Submission   | 3          | 3     | 3     | 3    |

# Milestone Report (ITCH) – 5<sup>th</sup> Submission



**Criteria 2 (10%): Application was tested successfully against ALPHA 2 environment**

| Completion Rate | Total View | Basic | Index | News |
|-----------------|------------|-------|-------|------|
| 0% - 5%         | 5          | 5     | 6     | 1    |
| 6% - 10%        | 3          | 4     | 2     | 3    |
| Not Developing  | 1          | 0     | 1     | 5    |
| No Submission   | 3          | 3     | 3     | 3    |

# Milestone Report (ITCH) – 5<sup>th</sup> Submission



**Criteria 3 (10%): Infra setup complete as per PSE production connectivity requirement**

| Completion Rate | Total View | Basic | Index | News |
|-----------------|------------|-------|-------|------|
| 0% - 5%         | 4          | 4     | 3     | 3    |
| 6% - 10%        | 4          | 5     | 5     | 1    |
| Not Developing  | 1          | 0     | 1     | 5    |
| No Submission   | 3          | 3     | 3     | 3    |

# Milestone Report (ITCH) – 5<sup>th</sup> Submission



**Criteria 4 (10%): Infra was tested successfully with PSE infra**

| Completion Rate | Total View | Basic | Index | News |
|-----------------|------------|-------|-------|------|
| 0% - 5%         | 8          | 8     | 7     | 4    |
| 6% - 10%        | 0          | 1     | 1     | 0    |
| Not Developing  | 1          | 0     | 1     | 5    |
| No Submission   | 3          | 3     | 3     | 3    |

# FIX Issues



## Issue #1: Adjustment of the Trading Phase.

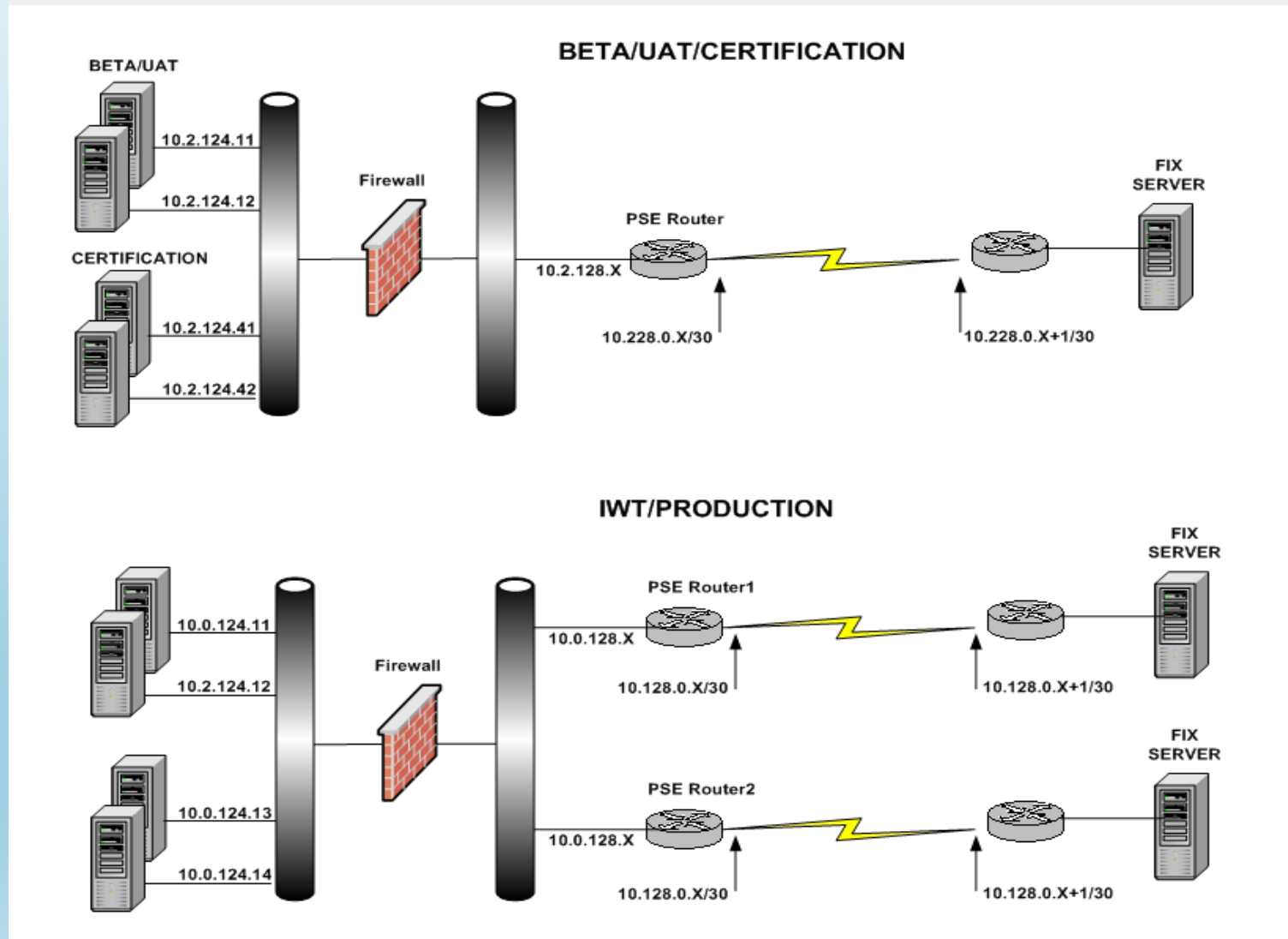
### PSE Response:

| Market Phase        | Time     |
|---------------------|----------|
| Pre-Open            | 9:00 AM  |
| Pre-Open No Cancel  | 9:30 AM  |
| Continuous          | 10:00 AM |
| Market Recess       | 12:00 AM |
| Continuous          | 12:30 PM |
| Pre-Close           | 4:00 PM  |
| Pre-Close No Cancel | 4:30 PM  |
| Trading At Last     | 5:00 PM  |
| Market Close        | 7:00 PM  |

Issue #2: Modification of Order by a Supervisor Trader is not yet working

PSE Response: Configuration has been made in the System. We will confirm on Monday, 15-Dec the Trader IDs that can modify or cancel Orders of another trader via FIX

# FIX Setup: Failover



- PSE will observe automatic failover
- TP's FEOMS must have the capability to automatically switch connections from Primary to Secondary Server
- No change in the Port connection
- Primary & Secondary servers have different IP Address



Thank You!!!