

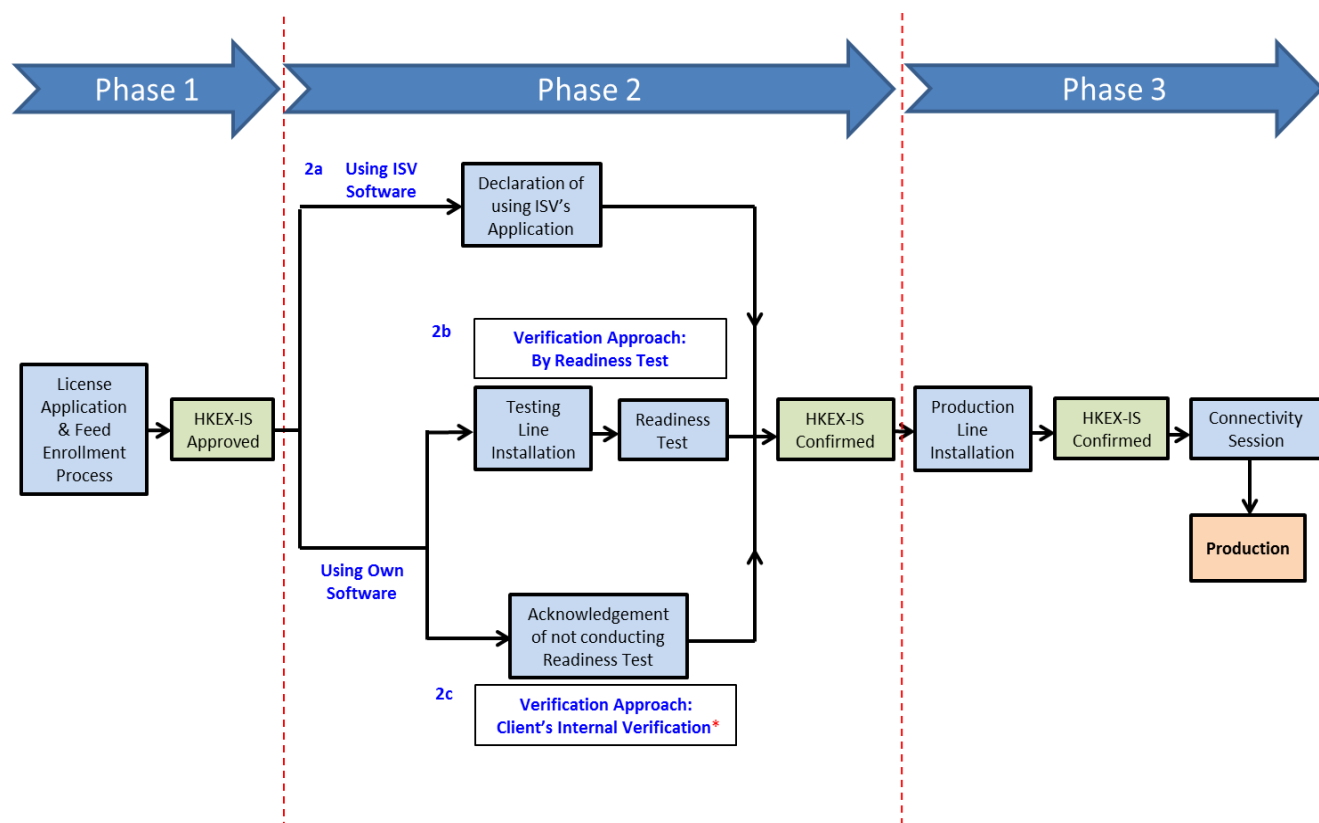
HKEX Information Services Limited

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HKEX Orion Market Data Platform (OMD) Securities Market (OMD-C) and Derivatives Market (OMD-D) (“OMD”)

WORKFLOW FOR ACQUIRING DIRECT CONNECTION FOR OMD



* Only applicable to end-user clients; Production Retransmission Username (RTS ID) will not be assigned

The following checklist aiming to facilitate your preparation for the OMD on-boarding activities is for your reference.

Phase 1

Checklist Items	Recommended Timing	Reference Materials
License Application & Feed Enrollment		
Submit License and Datafeed Application Forms (A1 – A3 / E1 – E3) to HKEX	-	License and Datafeed Application Forms
Determine the OMD application solution a. Independent Software Vendor (ISV)'s application (Go to Phase 2a); or b. Self-developed application conducting OMD Readiness Test (Go to Phase 2b) ; or c. Self-developed application choosing not to conduct OMD Readiness Test* (Go to Phase 2c)	-	

* Only applicable to clients applying for end-user license and Retransmission Username (RTS ID) will not be assigned in the production

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Phase 2a

Checklist Items	Recommended Timing	Reference Materials
Declaration of using ISV's Application		
Contact the appointed ISV	At least 2 - 4 weeks prior to production release	List of ISVs ISV Web Corner
Submit Declaration Form for Software Version (Using ISV's Software) to HKEX	At least 2 - 4 weeks prior to production release	Declaration Form for Software Version (Using ISV's Software) ISV Web Corner
→ Go to Phase 3		

Phase 2b

Checklist Items	Recommended Timing	Reference Materials
Client's System Development		
System development according to OMD Technical Documents	Prior to OMD On-boarding Tool	OMD-C Technical Documents OMD-C Web Corner OMD-D Technical Documents OMD-D Web Corner
Internal system testing with the OMD On-boarding Tool	Prior to commencement of Readiness Test	OMD On-boarding Tool (distributed to clients individually on request basis)
Testing Line Installation		
Submit Declaration Form for Self-Developed Application on Readiness Test Arrangement and OMD Testing Connection Notification Form to HKEX	At least 2 - 4 weeks prior to line installation	OMD-C Testing Connection Notification Form OMD-C Web Corner OMD-D Testing Connection Notification Form OMD-D Web Corner
Contact accredited network carrier / HKEX hosting team for ordering of testing line installation (connecting to OMD test server)	At least 2 - 4 weeks prior to line installation	SDNet/2 Accredited Vendors Information HKEX Hosting Service Information
Receive testing network configuration information from HKEX	1 week prior to line installation	
Installation of testing lines.	1 - 2 weeks prior to commencement of Readiness Test	
OMD Readiness Test		
Reserve OMD Readiness Test environment with HKEX	1 - 2 weeks prior to commencement of Readiness Test	Test Service Application Form OMD-C Web Corner OMD-D Web Corner
Conduct OMD Readiness Test	<i>Subject to Client's testing progress</i>	OMD-C Readiness Test Documents OMD-C Web Corner OMD-D Readiness Test Documents OMD-D Web Corner
Submit Readiness Test Answer Book to HKEX (Compulsory for Information Vendor (IV) and Application Service Provider (ASP) only)	<i>Subject to Client's testing progress</i>	OMD-C Readiness Test Documents OMD-C Web Corner OMD-D Readiness Test Documents OMD-D Web Corner
Submit Readiness Test Result Declaration Form to HKEX	<i>Subject to Client's testing progress</i>	OMD-C Readiness Test Documents OMD-C Web Corner OMD-D Readiness Test

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Checklist Items	Recommended Timing	Reference Materials
		Documents OMD-D Web Corner
→ Go to Phase 3		

Phase 2c*

Checklist Items	Recommended Timing	Reference Materials
Client's System Development		
System development according to OMD Technical Documents	Prior to OMD On-boarding Tool	OMD-C Technical Documents OMD-C Web Corner OMD-D Technical Documents OMD-D Web Corner
Internal system testing with the OMD On-boarding Tool		OMD On-boarding Tool (distributed to clients individually on request basis)
Confirmation and Acknowledgement for Not Conducting Readiness Test		
Submit Declaration Form for Self-Developed Application on Readiness Test Arrangement to HKEX	At least 2 - 4 weeks prior to production release	
→ Go to Phase 3		

* Only applicable to end-user clients; Production Retransmission Username (RTS ID) will not be assigned

Phase 3

Checklist Items	Recommended Timing	Reference Materials
Production Line Installation		
Submit OMD Production Connection Notification Form to HKEX and provide the planned date for Connectivity Session (i.e. production release date)	At least 2 - 4 weeks prior to line installation	OMD-C Production Connection Notification Form OMD-C Web Corner OMD-D Production Connection Notification Form OMD-D Web Corner
Contact accredited network carrier / HKEX hosting team for ordering of production line installation / reconfiguration (connecting to OMD production server)	At least 2 - 4 weeks prior to line installation	SDNet/2 Accredited Vendors Information Hosting Service Information
Receive Production Configuration Sheet from HKEX	1 week prior to Connectivity Session	
Installation of production lines (or reconfiguration of the testing lines into production lines)	At least 1 week prior to Connectivity Session	
Connectivity Session		
Receive Connectivity Session rundown from HKEX	1 week prior to Connectivity Session	
Conduct Connectivity Session and Production Release	<i>Schedule to be advised</i>	

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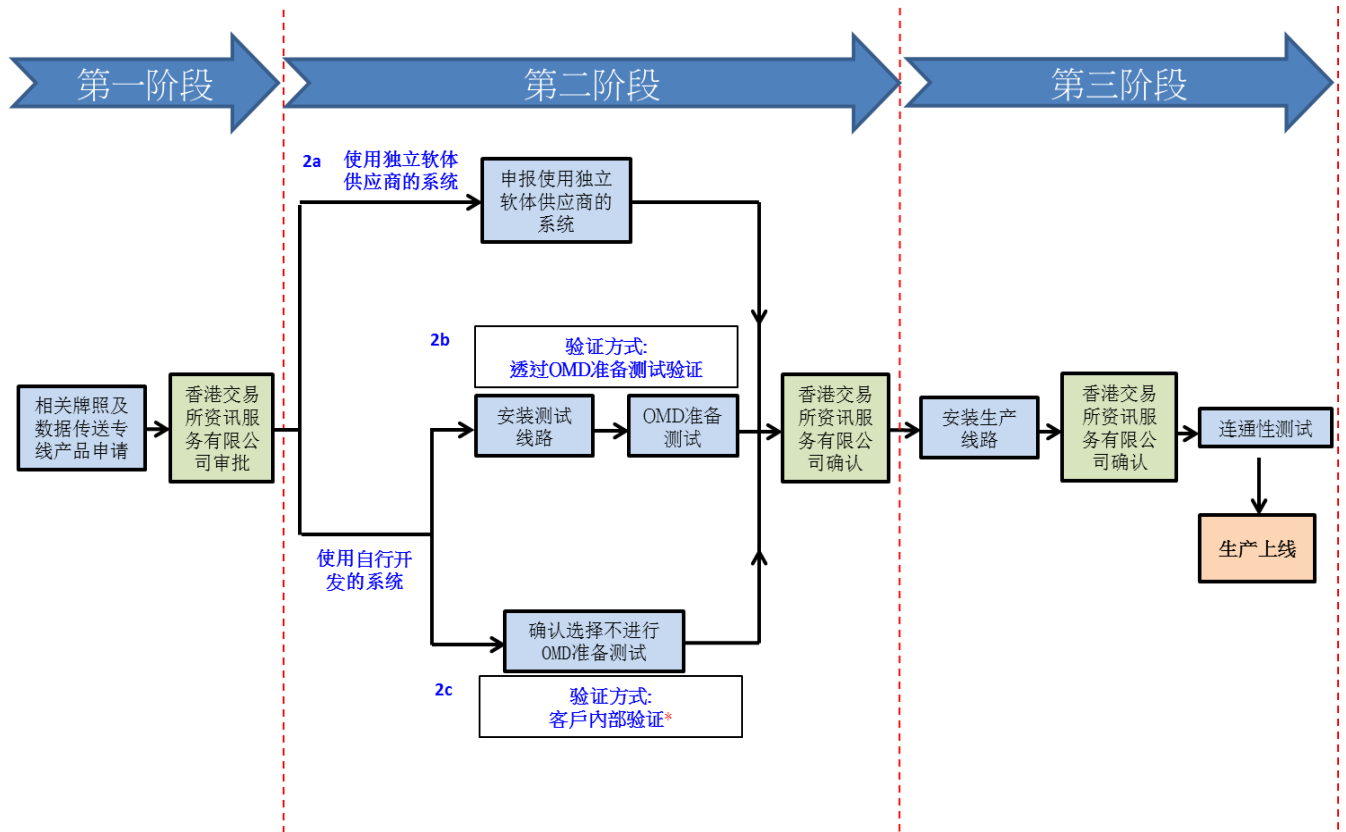
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香港交易所领航星」市场数据平台

—證券市场 (OMD-C) / 衍生產品市场 (OMD-D) (“OMD”)

證券市场/衍生產品市场数据枢纽数据传送专线工作流程



* 只适用于内部使用者之客户; 生产环境的Retransmission Username (RTS ID)亦不会提供。

我们现提供以下清单,客户在准备 OMD 测试的活动时, 可作参考。

第一阶段

清单项目	时序	参考材料
牌照及数据传送专线产品申请		
提交牌照及数据传送专线产品申请表(A1 - A3 / E1 - E3) 给交易所	-	牌照及数据传送专线产品申请表
選擇採用客戶端系統開發方式	-	
a. 使用独立软件供应商 (ISV) 提供的系统 (请到第二A阶段); 或		
b. 自行开发客户端系统, 但选择不进行OMD准备测试* (请到第二B阶段); 或		
c. 自行开发客户端系统, 并进行OMD准备测试 (请到第二C阶段)		

第二A阶段

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清单项目	时序	参考材料
申报使用独立软件供应商的系统		
联系指定独立软件供应商	生产上线前至少二至四个星期	独立软件供应商列表 独立软件供应商网页
提交申报使用独立软件供应商表格给交易所	生产上线前至少二至四个星期	申报使用独立软件供应商表格 独立软件供应商网页
→ 請到第三阶段		

第二B阶段

清单项目	时序	参考材料
客户端的系统开发		
根据OMD接口规范完成系统开发	系统测试辅助工具测试前	OMD-C 技术文档 OMD-C 网页 OMD-D技术文档 OMD-D 网页
OMD系统测试辅助工具内部系统测试	准备测试开始前	OMD系统测试辅助工具(个别分发给客户)
安装测试线路		
提交OMD测试线路申请通知表给交易所	线路安装前至少二至四个星期	OMD-C 测试线路申请通知表 OMD-C 网页 OMD-D 测试线路申请通知表 OMD-D 网页
联系电信公司 / 交易所设备托管服务申请安装测试线路 (连接到OMD测试服务器)	线路安装前至少二至四个星期	SDNet/2网络供应商资料 HKEX 设备托管服务
交易所提供测试线路配置表	线路安装前一个星期	
安装测试线路	准备测试开始前至少一至两个星期	
OMD准备测试		
向交易所预订OMD准备测试日期	准备测试开始前至少一至两个星期	测试环境申请表 OMD-C 网页 OMD-D 网页
进行OMD准备测试	*视乎客户测试情况	OMD-C 准备测试文档 OMD-C 网页 OMD-D 准备测试文档 OMD-D 网页
提交已填妥之准备测试答题表 (仅限于资讯供应商和ASP必须遵守)	*视乎客户测试情况	OMD-C 准备测试文档 OMD-C 网页 OMD-D 准备测试文档 OMD-D 网页
提交已填妥之准备测试表格	*视乎客户测试情况	OMD-C 准备测试文档 OMD-C 网页 OMD-D 准备测试文档 OMD-D 网页
→ 請到第三阶段		

第二C阶段*

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清单项目	时序	参考材料
客户端的系统开发		
根据OMD接口规范完成系统开发	系统测试辅助工具测试前	OMD-C 技术文档 OMD-C 网页 OMD-D技术文档 OMD-D 网页
OMD系统测试辅助工具内部系统测试		OMD系统测试辅助工具(个别分发给客户)
申报确认选择不进行OMD准备测试		
提交确认选择不进行OMD准备测试表格给交易所	生产上线前至少二至四个星期	
➔ 請到第三阶段		

* 只适用于内部使用者之客户; 生产环境的 Retransmission Username (RTS ID) 亦不会提供

第三阶段

生产线的安装		
提交OMD生产线路申请通知表给交易所, 並告知預算生產上線之日期	安装线路前至少二至四个星期	
联系电信公司 / 交易所设备托管服务申请安装生产线路 (连接到OMD生产服务器)	安装线路前至少二至四个星期	SDNet/2网络供应商资料 HKEX 设备托管服务
交易所提供生产线路配置表	连通性测试前一个星期	-
安装生产线路	连通性测试前至少一个星期	
连通性测试		
交易所提供连通性测试流程	连通性测试前一个星期	
进行连通性测试和生产上线	*时间表待定	