



Subsector: Enterprise

Job Family: Compliance (Operational)

Impact Level

Today, this role is responsible for second line monitoring of front office trading activities, examining trade related data to detect potential market abuse, and escalating breaches for appropriate actions to be executed.

High Impact

Consolidated Activities

	Today	Future
Trade/Order Patterns Analysis	Trade surveillance solutions are available to monitor Traders' communication, and cross reference information against the trading activities. Due to the high volume of data, execution is resource intensive and time consuming.	Unstructured data from electronic communications will increasingly be incorporated in the analysis, with the help of cognitive computing. RPA and analytics will also be used for Trader profiling, using unsupervised learning techniques to cluster Traders based on their trading patterns, and outliers can then be used as a gauge to identify potentially illicit trading activities.
Suspicious Alerts Investigation	Automated systems powered by machine learning are used to alert officers in early stages by identifying suspicious situations based on a series of pre-defined scenarios, such as naked short-selling, high volume trades, phantom orders, and then classify based on level of risk. Due to the high volume of alerts, execution is resource intensive and time consuming.	With the help of automated systems, the team could focus their investigations on the highest priority issues. There is also a possibility that a common utility service will be developed to share the surveillance capability across participating FIs.

In the next

3-5 years ...

This role will move away from reactive processes which focus on past patterns of activities and invest greater time and effort in predictive capabilities to prevent adverse events. In addition, this role is likely to converge with other surveillance roles.

Skills Differentiators:

- ▶ **Data Interpretation and Analysis:** The job holder will need to be skillful in interpreting data to extract key insights for recommendations, decisions or actions.
- ▶ **Advanced Digital Acumen/Literacy:** The job holder will need to be constantly upskilled to operate using new or refined AI-enabled machines.
- ▶ **Data Storytelling:** The job holder will need to be able to disseminate key messages and findings from investigation in a compelling, clear, and easy-to-understand manner for relevant stakeholders to take actions.
- ▶ **Complex Problem Solving:** The job holder will need to examine complex problems that are escalated for review and leverage available resources to develop and execute solutions.
- ▶ **Investigation:** The job holder will display the ability to gather and ascertain evidence to uncover suspicious behaviours and evaluate the appropriate corrective actions.

