Certificates required

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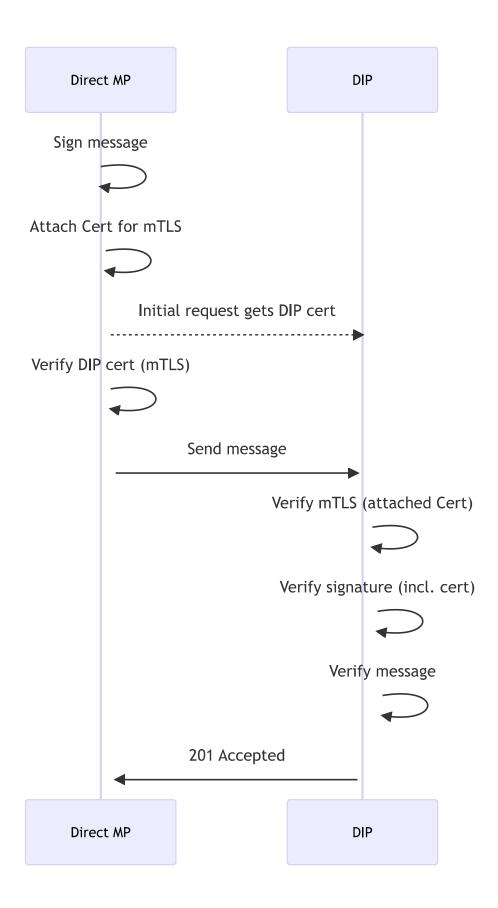
The certificates required for an Market Participant depend on how they operate:

- **Direct** where they send messages directly to the DIP with no *DIP Connection Provider (DCP)* used.
- Indirect where they use a DCP to send messages to the DIP

Certificates can have one of three purposes:

- mTLS used to secure the channel when sending or receiving to/from the DIP. Created and used by a DCP, can be used for all connections to the DIP
- **Signing** where the private key is used to sign messages prior to them being sent to/from the DIP. Messages are sent with the certificate, which is used to verify the signature. **Created and used by an indirect DCP, single signing cert required for the MP**. Can be shared by the MP to their DCP, however, this would involve sharing the Private Key and is between the MP and their DCP.
- mTLS & Signing used for both purposes above. Created and used for both purposes by an direct MP

Direct flow



Indirect flow

