



## **Electronic Exchange Benefits**

- Controlled by the IPPC
- •No need for bilateral agreements defining exchange parameters and security requirements.
- Discourages unilateral changes in data format All countries would adhere to the ISPM-12 data format and definitions
- •Ensure reliable 24x7 availability the service would be 24/7/365 access with redundancies in place to ensure exceptional backup and recovery
- Data security and secure transmission of data unique keys ensure that data is accessible by only the intended country. Further the transitory nature of the data in the cloud ensures that only the intended country has access
- Provide for a common forum for discussion as changes and enhancements to the service are considered, all participants would have equal input into the vetting process

## **Estimated Costs to Setup Cloud And Process Traffic**

- Initial Cost is Estimated at approximately **\$9,000**. This would enable 5 countries to exchange certificate data.
- Each additional country would an additional one-time fee of about \$300.
- Process costs are dependent upon the **Monthly** traffic. The more traffic the lower the rate.
- Calculations are based on an average 4K certificate message.
- Cost breakdown is based on consolation with industry:
  - $\triangleright$  Up To 400,000,000 bytes (100,000 4K messages) (\$14,000) = 14.0 cents/message
  - >Thru 700,000,000 bytes (175,000 4K messages) (\$17,850) = 10.2 cents/message
  - >Thru 1,000,000,000 bytes (250,000 4K messages) (\$21,000) = 8.4 cents/message
  - >Thru 2,000,000,000 bytes (500,000 4K messages) (\$26,250) = 5.3 cents/message
  - >Over 2,000,000,000 bytes negotiated
- Assume the USA does **50,000** certificates/month and assume that's 10% of the worldwide traffic then the worldwide traffic would be **500,000**/month. So at **\$26,250**/month that's, **\$315,000**/year.