

EComm Network Description
7 June 2011

By consensus reached at its meetings, the SVRIA Data Technical Advisory Group has elected to operate EComm in the following manner.

1. The EComm cloud – including the northern loop, southern backbone and all spurs – will allow for IP transport between all user agencies without the need for creation of new routes as approved applications are added.
2. At each user agency location, the EComm provided firewall will provide for cloud security and will be identified by a unique public IP address range. Further, each user agency is responsible for installing a network security device facing the EComm provided firewall with features and performance at least equal to those listed in the Required EComm User Equipment document (26 April 2011).
3. EComm's primary DNS server will be maintained off site by a commercial provider and each user agency will have access to its sub-domain on the DNS server and will be responsible for management of its sub-domain in accordance with the DNS Management & Naming Convention document (27 May 2011). User agencies can initiate IP transport among themselves in support of approved applications as described below by means of DNS sub-domain addressing.
4. To initiate an IP transported EComm application, host and/or sponsor agencies will submit an EComm Application Request to the Data Technical Advisory Group which will review the application and may recommend it for approval by the SVRIA Executive Director. This process, including an appeal process for non-recommended applications, is contained in the EComm User Agreement & Security Policy (29 October 2010, as amended).
5. The implementation of external agency required security provisions will be the responsibility of the host and/or sponsor agency but will not result in changes to EComm's addressing and routing processes.
6. EComm IP transport performance will be monitored by the Network Operations Center and unusual network utilization will be communicated to SVRIA staff who will be responsible for determining whether user agencies are in compliance with their operation of approved applications.
7. Network Quality of Service rules will not initially be implemented on EComm but will be considered for implementation as additional applications are transported.