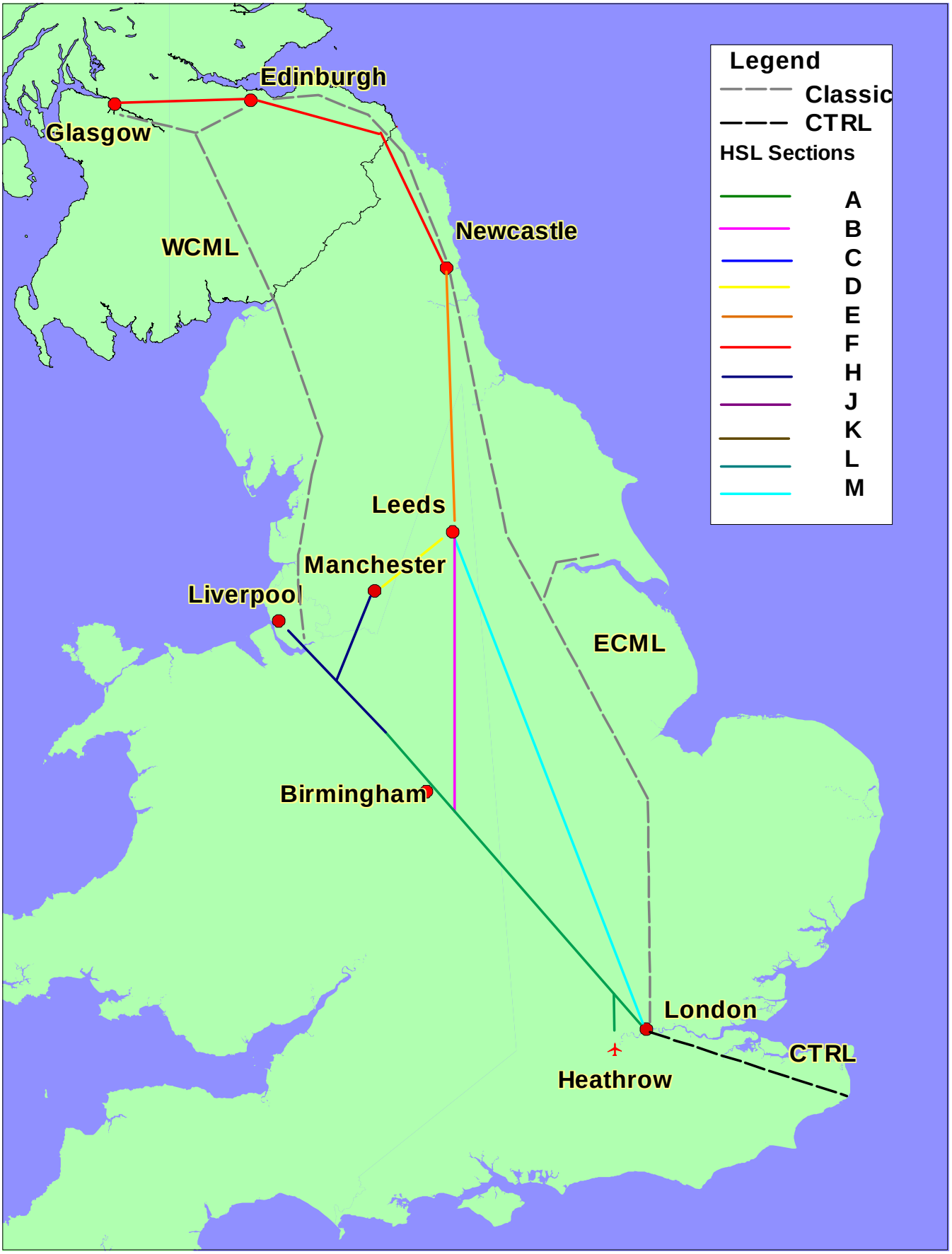HSL ROUTE NETWORK