Problem Statement

• On a 464XLAT (RFC6877) CLAT, such as a mobile phone, an IPv4 address must be presented to host networking stack so that IPv4 sockets can be formed.

• That IPv4 address should be unique and dedicated so that it does not collide with other devices (meaning, no RFC1918)
Possible Solution Set

1. Generalize the DS-lite (RFC6333) dedicated range (192.0.0.0/29) to be for transition infrastructure – a more general definition
   a) Opportunity to generalize a solution rather than enumerate new solutions
   b) .1 and .2 are reserved for well-known Ds-lite functions, make .4 SHOULD be used for CLAT

2. New IANA reservation for IPv4 /32
Will this break things?

- No, neither DS-lite nor 464XLAT emit these packets on the wire
- Both systems are IPv6 end-to-end, so there is no scenario where they could collide
Is this deployed already?  Yes
These images found on the internet  -- random Note3 users
Next Step

• WG document to solve problem statement?
• Generalize by using 192.0.0.0/29 or new unique IANA reservation?