Section	Comment	Source	Action	Assignee	Types	Color Code
Global	Replace "requesting router" with client and "delegating router" with serve in most of the text.	Lorenzo Coilitti and Marcin Siodelski https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17479.html https://www.ietf.org/mail- rarchive/web/dhcwg/current/ msg17480.html	See ticket #167.  BV - I took a stab at this in https: //github. com/dhcwq/rfc3315bis/blob/bev review_08_2016/rfc3315bis.xml.	with it. I would only leave the CPE setup with requesting	Nits Clarification Ticket Items Dropped	Green - Needs no more work (done, duplicate, ignore). Red - Needs team review/discussion White - Not yet reviewed Yellow - Needs to be applied to document (reviewed and ready for changes to document) Orange - Needs attention from someone (not team issue, just needs work).
5.3	Perhaps we should also update section "5.3. DHCP for Prefix Delegation" to say that prefix delegation is a mechanism that can be used to provide prefixes to routers but also hosts.	Marcin and Lorenzo https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17481.html	needed.	whether it addresses the issues. Tim - I think there might be too much text about Delegating Routers in the DHCP for Prefix Delegation Section, but I can live with it. I would only leave the CPE setup with requesting router. Bernie - Done but hopefully it is acceptable. It has in some ways less detail than the old list, but tries to provide guideance to		
Appendix A	I would strongly suggest introducing a more readable and well organized "Changes since" appendices (which should stay on publication). That will also help entice more people to review, or at least take a glace of, the doc.	org/mail-	BV - I agree. We should rework this a bit but also need to see how this differs from what is in Section 1.1. Perhaps we should make section 1.1 clearer about what has changed from the previous? BV - Seems reasonable to clean	readers on how this document changed from 3315.  Bernie to revise Appendix to document detailed changes. Explain why RFC 2462 references still exist.		
Global	Throughout the document, "IAPREFIX option" and "IA Prefix option" are both used (e.g. section 17.1.9.), should there be a unified _expression_? Some wording errors for Section 22 privacy considerations:	Tianxiang, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17525.html	up. Also look at IAADDR vs "IA Address" usage (17.1.9 and 17.1.10.1). Ted - Nit	Bernie - Done		
22	"This section focuses on the server considerations. For extended discussion about privacy considerations for the client, see [RFC7824]. It(In) particular, Section 3 of said(the) document discuss(discusses) various identifiers that could be misused to track the client."	Tianxiang, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17525.html	BV - I think I cleaned this up in https://github. com/dhcwg/rfc3315bis/blob/bev_ review_08_2016/rfc3315bis.xml.			
Global	replacing "address" with "address or delegated prefix" or most likely "lease" in places we missed (though this is not just a search and replace).	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html	review_08_2016/rfc3315bis.xml.	Tim - Rate Limit Section needed to have addresses or delegated prefixes added.		
4.2	Remove unused terminology ("DHCP realm" is no longer used; was previously used for Delayed Auth Protocol which has been deprecated).	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html Bernie, https://www.ietf.	BV - I think I cleaned this up in https://github.com/dhcwg/rfc3315bis/blob/bev_review_08_2016/rfc3315bis.xml. BV - I think I cleaned this up in			
Multiple	remove use of "site-scoped" addresses in sections related to the link-address field (i.e., section 8.1, 18.1.1, 18.1.2).	org/mail- archive/web/dhcwg/current/ msg17530.html	https://github. com/dhcwg/rfc3315bis/blob/bev_ review_08_2016/rfc3315bis.xml.			
Multiple	in a few cases, there is redundant text that can be removed (one example is in section 14, page 36, 3rd paragraph - last sentence duplicates first and is likely unnecessary).	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html		Tim - This text change removed the following requirement "The retransmitting client MUST NOT resend the original message to the server". This text no longer	This was because the earlier text already says that. The client MUST update So was trying to shorten this a bit Bernie. tomek reviewed.	
20	missed vendor-class and vendor-specific information options as being allowed to appear more than once (with different enterprise-ids).	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html	BV - I think I cleaned this up in https://github.com/dhcwg/rfc3315bis/blob/bev_review_08_2016/rfc3315bis.xml.			
20.7	missed Vendor Class option MUST NOT be in ORO (as this is a client to server option).	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html	BV - I think I cleaned this up in https://github. com/dhcwg/rfc3315bis/blob/bev_review_08_2016/rfc3315bis.xml.	Tim Reviewed.		

Multiple	some references were updated from RFC 2462 to 4862, but in some cases that was incorrect (as 4862 has no explicit mention of M- and Obits processing).	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html	BV - I think I cleaned this up in https://github.com/dhcwg/rfc3315bis/blob/bev_review_08_2016/rfc3315bis.xml.		
3	In 3315 we referenced RFC 2136 for DNS Updates, but perhaps referencing RFC 4704 (The Dynamic Host Configuration Protocol for IPv6 (DHCPv6) Client Fully Qualified Domain Name (FQDN) Option) would be better?	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html Bernie, https://www.ietf.	BV - Still an open question as to what is best. Perhaps we don't need EITHER RFCs?	Made change in bev_review_08_2016 branch - https://github.	
7.x	In many of the section 17.1.x (Creation and Transmission of <name> Messages), a forward reference to the corresponding Reply processing section would probably be useful.</name>	org/mail- archive/web/dhcwg/current/ msg17530.html	Drop issue and leave as is.	Dropped	
7.1.1, 17.1.2	I think something about prefix hints should be added to 17.1.1 and 17.1.2 (such as what is in 17.1.4); alternatively we might want to just add something about that a client may do that and rely on the text already in 20.22 (IAPREFIX option).	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html	IETF97: we should be more consistent (add in appropriate places) Discussed on 2017-03-01: Just references, don't want to add any extra text.	Bernie - Done. Closed Ticket #114. We are just referencing this draft (RFC) in the bis document.	
	I'm not sure that the text in section 17.2.11 and 17.1.4 are fully aligned for Reconfigures. 17.2.11's text is a bit unclear in that it says "The server MAY include an ORO" (and then says if it includes 14 options in the ORO, it must include the IA options themselves); section 17.1.4 assumes that this is always the case. I'm not sure if a "plain" Reconfigure without any ORO is valid from this as 17.1.45' text doesn't work well then? So, I			Bernie - Done.  9/21 - No one commented on WG ML, so sent another email that we will make this change.  Bernie to generate ticket and send proposal to WG for comfirmation.	
17.2.11, 17.1.4	think we need to clarify this a bit more. (The server I work on just sends a Reconfigure without ORO since we don't provide an administrator any way to say what the client should reconfigure and while I think this was intended to be acceptable behavior, but 17.1.4 needs a tweak to make it work?)	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html Bernie, https://www.ietf.	Ted, Tim, Ralph, Bernie suggest we drop the ORO piece from Reconfigure	Created ticket 168 for this issue.  And, sent email to WG about proposed change and asking for feedback by 9/14.	
7.1.6	minor issue but I don't think there's any need to delay sending Information-Request when being sent because of a Reconfigure?	org/mail- archive/web/dhcwg/current/ msg17530.html	Ignore	Dropped Bernie - Added to 1st paragraph:	
17.1.10	text is missing text (like in 17.1.9) about processing SOL_MAX_RT/INF_MAX_RT options if present? The earlier section (17.1.x) all said that a client adds the SOL_MAX_RT (or INF_MAX_RT for Information-Request?	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html	1) See https://www.ietf.org/mail- archive/web/dhcwg/current/msg 17772.html. 2) Add text to 17.1.10 to process options.	A client SHOULD only update its SOL_MAX_RT and INF_MAX_RT values if all received Advertise messages that contained the corresponding option specified the same value, otherwise it should use the	
21	rework as it is a bit scattered and jumps between topics. So, moving around some paragraphs to keep the IPSec and Reconfigure topics together as well as discussing "leases" to combine some of the address assigned/prefix delegation issues should be done.	Bernie, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17530.html	BV - I think I cleaned this up in https://github.com/dhcwg/rfc3315bis/blob/bev_review_08_2016/rfc3315bis.xml.	,	
	review section 22 as it first says focus will be on server considerations but then enumerates sections of RFC 7824 that are client related. Then remainder focuses on server allocation strategies (after referencing RFC 7284 section 4.3) and then duplicates some of that material. I think we should just refer readers to RFC 7824 for both client and server privacy considerations and leave it at that?		BV - I think I cleaned this up in https://github. com/dhcwg/rfc3315bis/blob/bev_ review_08_2016/rfc3315bis.xml.		
23	Request to IANA to add a new column; should we perhaps provide IANA that data in a more easily used format? And, there is a "Note to IANA" that we need to clarify and remove. And straighten out the links (as some are .xhml and others .xml).	org/mail-	We need to add the details to provide JANA. Also look at adding Singletons or Not. Tomek will review.	Bernie to update spreadsheet started with these details, will need further review before adding to document. See https: //docs.google. com/spreadsheets/d/127GiWIM AeMVWGq40bBTVfTGD7a9JW HHhYDxpfJUQNRI/edit#gid=0	Tomek DONE - Review table in DRAFT!, reviewed and updated slightly.

s	ection	Comment	Source	Action	Assignee	Types
				Ted agrees. (Tim does too).		
				Bernie - Added Text.		
		Question for the WG and co-authors - should we incorporate RFC 4242 (Information Refresh Time Option) into the bis document makes sense as		NOTE: We should consider adding a new "Repby for Information-Request" subsection of the "Receipt of Repby Messages"? Perhaps some of the text in the option can then move there?	(fixed reference to 4242 in 18.2.6 and integrate more of 4242 into the document as not complete - such as in the	
G		it is a MUST and there is text already in 17.1.6 about it and also in 20.25. This probably is a core piece of the base protocol (for assisting in stateless configuration of clients).	org/mail- archive/web/dhcwg/current/ msg17530.html	Tim and Tomek agree that this should be added to the document. TODO.	Information-Request / Reply processing add 18.2.10.4 for Reply for Information-Request)	Stopped here on 9/7
		DHCPv6 can also provide only other configuration options (i.e., no addresses or prefixes).	Jermey Reed, https://www. ietf.org/mail- archive/web/dhcwg/current/			
1		- "provide only other" doesn't read well. Something missing?	msg17531.html	Nit - fix	Bernie - DONE	
		The remainder of this introduction summarizes relation to the previous DHCPv6 standards Section 1.1, clarifies the stance with regards to DHCPv4 Section 1.2.				
1		- The wording made me think that the Section 1.1 and 1.2 were in the old RFCs. Maybe reorder like other sentences, " <a larget="previous-dhcp6" ref="">&lt;<a larget="previous-dhcp6" ref="">&lt;<a larget="previous-dhcp6" ref="">&lt;<a dhcp4"="" larget="larget=" ref="">&lt;<a larget="dhcp4" ref="">&lt;<a larget="dhcp4" ref="">&lt;<a larget="dhcp4" ref="">&lt;<a larget="dhcp4" ref="">&lt;<a larget="dhcp4" ref="">&lt;<a larget="dhcp4" ref=""></a></a></a></a></a></a></a></a></a></a>	Jeremy Reed, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17531.html	Done	Tomek - DONE	
		- s/relation/relationship/ ?	Jeremy Reed, https://www.ietf.org/mail-	Done	Tomex - DONE	
1		- also add an "and"	archive/web/dhcwg/current/ msg17531.html Jeremy Reed, https://www.	Nit - fix	Bernie - Done	
3		In the Dynamic Updates to DNS paragraph is there a reference to add about "but also autoregistration in IPv6"?	ietf.org/mail- archive/web/dhcwg/current/ msg17531.html	Removed section (see #14 above), so ignore issue.	Bernie - nothing to do	
		" - for example, the information returned to all clients on the same link - does not require a binding."	Jeremy Reed, https://www.			
4		- Get rid of the dashes. Start new sentence ". For example, the information returned to all clients on the same link does not require a binding."	ietf.org/mail- archive/web/dhcwg/current/ msg17531.html	Nit - fix	Bernie - Done (used ", such as,").	
4		"there are 3 IA types defined" - spell out numbers like "there are three IA types defined	Jeremy Reed, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17531.html	Nit - fix	Bernie - Done (fixed another place where 3 was used and we should have written out	
4		"Reconfigure key" mentions "Reconfigure messages" but that isn't	Jermey Reed, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17531.html	Add reference to message definitions section.	Bernie - Done	
			Jermey Reed, https://www. ietf.org/mail- archive/web/dhcwg/current/			
4	2	Check XML / HTML for "top-level option" terminology definition	msg17531.html  Jermey Reed, https://www. ietf.org/mail-	Don't see issue. Ignore (Bernie).	Bernie - Ignored	
2	0.25	s/completeness/completeness/	archive/web/dhcwg/current/ msg17531.html Francis Dupont, https://www.	Nit - fix	Bernie - Done	
C	onflicting files?	Not sure if this is a real issue.	ietf.org/mail- archive/web/dhcwg/current/ msg17531.html	Seems like a transient issue. No longer a problem. Done.	Nothing to do.  Tomek: Add IA_NA "it is up to	
2	0.5	the "that is, at most one address from each prefix assigned to the link to which the client is attached." was moved to 20.4 IA_NA. Should the text be duplicated instead? wording/missing text in:	Francis Dupont, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17533.html	For IA_TA, this may be more complex as there could, in theory, be more than one temporary address per prefix? So, i'd be inclined to ignore this comment and leave it be? (Bernie)	the server policy to determine how many addresses are assigned, but typically at most one address from each prefix assigned to the link the client is attached to", for IA_TA the same as above, but skip the "but typically". DONE	
		Other top-level Options MUST appear in the Option Request option or the will not be sent by the server.	Francis Dupont, https://www.ietf.org/mail- archive/web/dhcwg/current/			
2	0.7	IMHO it is "they will", i.e., the -> they	msg17533.html	Nit - Fix	Bernie - Done	

Color Code

Section	Comment	Source	Action	Assignee	Types	Color Code
20.22	the RFC2461 reference must be updated to RFC4861 (BTW the section numbering is the same, i.e., doesn't need to be updated)	Francis Dupont, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17533.html	BV - We have to be careful as in a few cases I remember reverting these back to 2461 as 4861 was different (no M & O). Have to investigate this item.	Bernie to do late during cycle to re-review these references and check that old is appropriate. [DUP]		
22	I suggest said -> that in "It particular, Section 3 of said document discuss various"	msg17534.html	Nit - Fix	Bernie - Done		
25	PS: note if the section 25 (acknowledgments) becomes too large perhaps it should be split into 2 parts, one inherited from RFC 3315 (with RFC 3633 merged as it is now), one with the new stuff	Francis Dupont, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17534.html	Note taken, but probably OK as is.	Bernie - Done.		
			This comment doesn't actually make sensethere is no paragraph 12 in section 1.4. BV - I think he meant first sentence of section 1.4 (1st	Review Ted's rewrite and it is handled. https://docs.google.com/document/d/1khTnbBlhvNwFTvbrs4uJ_mm1sjw16MpXQJXpeleEDT8/edit?usp=sharing		
1.4	Paragraph 2 is a repetition of the beginning of paragraph 12.	lan Farrer, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17535.html	paragraph). I think we can safely drop this 2nd paragraph of 1.4. And, lan confirmed. So, remove this 2nd paragraph.	Bernie - Removed paragraph 2 of section 1.4 (now later section).		
13.2	T1/T2 times and how they are selected are discussed in this section, but the purpose of the T1/T2 timers is not described until section 17.1.4. A brief overview of their purpose would help readers.  Para 1 - The sentence: "However, the client MAY send the message	lan Farrer, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17535.html	IETF97: Add T1/T2 to the Terminology	Ted to Tim		
16.1	through another interface if the interface is a logical interface without direct link attachment" is ambiguous, suggested reword: However, the client MAY send the message through another interface if the interface without onfiguration is being requested for is a logical interface without direct link attachment.	lan Farrer, https://www.ietf. org/mail- archive/web/dhcwg/current/ msq17535.html	Updated the sentence based on lan's suggestion	Ted to Tim		
17.1	DISCUSSION - Is this really a discussion point? The provided text for considerations regarding the use of unicast with relays seems straightforward enough and the discussion doesn't pose any questions.	lan Farrer, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17535.html	It looks like it was updated.	Ted to TIM		
17.1.2	The client includes a Reconfigure Accept option indicating whether or not The text here is not accurate (the option is only included if it is supported) - Suggested reword: The client includes a Reconfigure Accept option (see Section 20.20) if the client is willing to accept Reconfigure messages from the server.	lan Farrer, https://www.ietf. org/mail- archive/web/dhcwg/current/ msq17535.html	Bernie to make edit	Bernie - Done		
	Para beginning 'When a client had received' - There are a number of grammatical errors in this paragraph. Suggested re-word:					
	When a client receives a configuration option in an earlier Reply, then sends a Renew, Rebind or Information-Request and the requested option is not present in the Reply, the client MUST stop using the previously received configuration information. In other words, the client must not be relevant default state. If there is no viable way to stop using the received configuration information, the values received/configured from the option MAY persist if there are no other sources for that data and they have no external impact. For example, a client that previously received a Client FQDN option and used it to set up its hostname is allowed to continue using it if there is no reasonable way for a host to unset its hostname and it has no external impact. As a counter example, a client that previously received an NTP server address from the DHCP server and does not receive it any more, MUST stop using the configured NTP server IPVe address. The client SHOULD be open to other sources of the same configuration information. This behavior does not apply to any IA containers, as their processing is described in detail in other parts of this document.					
17.1.10.1	* Suggest also that the 'MUST stop using' is replaced with SHOULD, as the next paragraph describes an exception to the MUST requirement. * Also, it would be worth extending this to say that if a requested option is received that has an updated value, then use of the previous value should be discontinued and replaced with the new value.	lan Farrer, https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17535.html lan Farrer, https://www.ietf.	Apply changes	Bernie - Done		
17.2	Para 2 - s/server sends Advertise message/server sends an Advertise mes	org/mail- archive/web/dhcwg/current/ msg17535.html	Nit - Fix	Already appears to be done in Bernie's branch (Bernie)		

Support profession in succed sociestance at used related.  Parts 5 - The farm imprehess an included accessment is used related.  Parts 5 - The Name imprehess an included accessment is used related to the professional professional includes and included accessment in used related to the professional profe	Section	Comment	Source	Action	Assignee	Types	Color Co
2.1 a process Current foot is unifore, propose, Serving the sequence should not be seen resolution to track of the sequence of					This material has changed in		
Support profession in succed sociestance at used related.  Parts 5 - The farm imprehess an included accessment is used related.  Parts 5 - The Name imprehess an included accessment is used related to the professional professional includes and included accessment in used related to the professional profe		process." Current text is unclear, propose: Sending this option back to	archive/web/dhcwg/current/		Bernie's branch so this text is		
Part 2. The winny professor of included dicheseer is used globally. Suggest by prefere of or sever freezesting and CAC agrinor to sept will be provided to the provided of the	17.2.1	the client may be useful for the server selection process.		Nit - Fix	now not present.		
Page 4 - Nu. Mil total content dearm M. The search of the section			org/mail-				
Service of the content of the conten	17.2.2			Nit - Fix	Bernie - Done		
Paul 6-14, I/M a listed here. Assume I/M, TA voia meant. Paul 2-2-besched the server including an ORD option to say what is desired. The control including an ORD option to say what is desired to server including an ORD option to say what is desired. The option is a server of ORD is a record ORD is a record ord including an option of the	11.2.2	daggest prefixes of is used instead.	-	THE TIA	Bernie Bone		
Para 2. Response to the present including on a several processing in a pleanance of the processing			org/mail-				
Categorical Section for the processor (With in a root missage) low by got this ore as well as processor (With in a root missage) low by got this ore as well as processor (with a root missage) low by got this ore as well as processor (with a root missage) low by got the root and processor (with a root missage) low by got the root and processor (with a root missage) low by got the first factor of the processor (with a root missage) low by got the first factor of the processor (with a root missage) low by got the first factor of the processor (with a root missage) low by got the first factor of the processor (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got the first factor of the root missage (with a root missage) low by got	17.2.9	Para 6 - "IA_IA" is listed here. Assume IA_TA was meant.		Nit - Fix	Bernie - Done		
the district should use a received CRO in a recont, message, if see Series or gothers or services and the property of the section of the property of the property of the property of the section of the property of the							
got files on as well)  and involvement of the processor o					Bernie - Removed ORO / IA_*		
Li. 1. au af Farrer, Physiol Wow and companies of companies and produces according to addressee/ may affect 535 feeting authentication is obscioled in a farrer, Physiol Wow and companies and produces according to a pleanasm :	17 2 11	got this one as well)		See ticket #168			
Soft sections describe that DFC3316 delayed authentication is obsoled in a femore, https://www.facet.org/comment/marg/TSA3.html land Famore, https://www.facet.org/comment/marg/TSA3.html land	17.2.11			See licket #100	issue arrymore.		
standardseeself moderated with a difference of the section of describe the RFC3316 delayed authentication is obtained in the first interflection of the section of describe the RFC3316 delayed authentication is obtained in the section of the RFC3316 delayed authentication is obtained in the section of the RFC3316 delayed authentication is obtained in the section of			org/mail-				
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Both sections describe that RFC3315 delayed authentication is ablating that and the single registerin motessary.  Both section described that RFC3315 delayed authentication is a pleanasm - in the single registering that is not a pleanasm - in the single registe							
Is the repetition necessary?  Is a pleonasm :  Is a pleoping Client Relay Forward page 77: link- layer = link- layer  Francis Duport, https://www.ieff.org/mail.  Is a pleoping Client Relay Forward page 77: link- layer > link- layer  Francis Duport, https://www.ieff.org/mail.  Is a pleoping Client page 78: lin the link-address field > to (or into? STM 18)  Is a pleoping Client page 78: link link-address field > to (or into? STM 18)  Is a pleoping Client page 78: link link-address field > to (or into? STM 18)  Is a pleoping Client page 78: link link-address field > to (or into? STM 18)  Is a pleoping Client page 78: port page 78:			archive/web/dhcwg/current/				
ist drag primary to the control of the section 25 (acknowledgments) becomes to large perspective between the control of the section 25 (acknowledgments) becomes to large perspective entrol of 26 and 18 can be control of 2315 (white perspective entrol of 2315 (white perspective	19, 19.2		msg17535.html				
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Relaying Client page 78: in the link-address field -> to (or intr'o BTW 18.1 archive/web/thoughcurrent may 178.4 html  wording 'may fill in the link-layer' -> 'may fill the link-layer'  Relaying Relay Agent page 78: perhaps the two 'global or site-scoped' must be changed into 'global, U.L. RIFC4193) or site-scoped' restricted without a good without a good without a good without ago downword or DHCPV6. I recommend to explain the "purpose of the configuration" are either "address assignment" or "prefix delegation".  I.e. > i.e. > i.e. and e.g> e.g.,  PS: note if the section 25 (acknowledgments) becomes too large penhaps it should be split into 2 parts, one inherited from RFC 3315 (with RFC 5333 meged as it is now), one with the new stuff  Paracis Dupont, https://www. archive/web/thoughcurrent/ msg/1754.2 html  Tonee word 'no' and it is now, one with the new stuff  Paracis Dupont, https://www. archive/web/thoughcurrent/ msg/1754.2 html  PS: note if the section 25 (acknowledgments) becomes too large penhaps it should be split into 2 parts, one inherited from RFC 3315 (with RFC 5333 meged as it is now), one with the new stuff  Paracis Dupont, https://www. archive/web/thoughcurrent/ msg/1754.2 html  Paracis Dupont, https://www							
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archive/web/dhcwg/current/ page 44: IMHO the "MUST NOT be using" "MUST stop using" is both unrealistic and underspecified, e.g., the "be using" vs "use" suggests an address should not be used as source for new connections (TCP) or datagrams (IDP) but this is only an interpretation Note further text is clearer so I suggest:			Francis Dupont, https://www				
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				Nit - Already done (see earlier			
	17	page 44 (last line): i.e> i.e.,			Bernie - Done		

Section	Comment	Source	Action	Assignee	Types	Color Code
17.1.4	page 52 (last line): i.e> i.e.,	Francis Dupont, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17550.html	Nit - Already done (see earlier issue) (Bernie)	Bernie - Done		
17.2	page 64: wording: "indicated by the as indicated"	Francis Dupont, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17550.html	Nit - Done (Bernie).	Bernie - Done		
		Francis Dupont, https://www.ietf.org/mail- archive/web/dhcwg/current/				
Global	Solicit-Reply -> Solicit/Reply	msg17550.html Francis Dupont, https://www.ietf.org/mail-	Nit - Done (Bernie).	Bernie - Done		
Global	Spelling issues: completeteness -> completeness, acknowledgements -> acknowledgments, IAPD(s) -> IA_PD(s)	msg17555.html Francis Dupont, https://www.	Nit - Done (Bernie).	Bernie - Done		
id-nits		ietf.org/mail- archive/web/dhcwg/current/ msg17556.html	done	someone fixed them		
1	paragraph 5, change: "DHCPv6 can also provide only other configuration options" to: "DHCPv6 can also be used to provide only other configuration options".	Fred Templin, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17559	Nit - Done (Bernie).	Bernie - Done		
	the sentences: "[RFC3315] suggested that future work might be to extend DHCPv6 to carry IPv4 address and configuration information. However, the current consensus of the IETF is that DHCPv4 should be used rather than DHCPv6 when conveying IPv4 configuration information to nodes." This text is at odds with the AERO spec, where DHCPv6 is used to carry IPv4 configuration info in environments where DHCPv4 mechanisms cannot be applied. Suggestion is to remain silent on this subject and remove these two sentences, then leave it for other documents to define mechanisms for carrying IPv4 information in					
1.2	DHCPv6 messages. suggested reword for the definition of "lease": "A contract representing	msg17560.html Fred Templin, https://www.	Ignore this comment.  "A contract by which the server	Bernie/Tim/Tomek - Ignore		
4.2	an address assigned by the DHCP server to the client or a delegated prefix assigned by the delegating router to the requesting router."	ietf.org/mail- archive/web/dhcwg/current/ msg17559 Fred Templin, https://www. ietf.org/mail-	grants the use of an address or delegated prefix to the client for a specified period of time."	Bernie - Done		
4.2	definition of "requesting router" - change to: "A node that acts as a DHCF client and requests prefix delegations."	archive/web/dhcwg/current/ msg17559 and also https:	Review later to confirm that this matches intent of mostly deprecating "requesting router". May also want to review delegating router.	Bernie updated all the delegated.		
5.2	first sentence, s/[RFC2462]/[RFC4862]	Fred Templin, https://www.ietf.org/mail- archive/web/dhcwg/current/ msq17550	Needs review as I think 4862 has little to say about "stateful address autoconfiguration protocol". There are other places where I explicitly left the 2462 reference (such as for M & O bits) as 4862 was silent on these.	Bernie - Should stay 2462.		
5.2	second sentence, reword as: "It is appropriate for situations where stateless address autoconfiguration alone is insufficient or impractical, e. g, beacuse of network policy, additional requirments such as dynamic updates to the DNS, client-specific requirements, etc."	Fred Templin, https://www.ietf.org/mail- archive/web/dhcwg/current/msg17559	Bernie to review	Bernie - Done		
5.2	sentence beginning "Typically clients request", change "domain server addresses" to "DNS server addresses".	Fred Templin, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17559	Bernie to review	Bernie - Done, used "DNS name servers"	e	
40.4	the paragraph beginning: "Any address assigned by a server that is based on an EUI-64 identifier MUST" - does this alternative still match with operational experience? I.e., do real-world DHCPv6 servers create	Fred Templin, https://www.ietf.org/mail- archive/web/dhcwg/current/		Done - This was updated		
12.1	EUI-64 based IA_NAs? If not, this paragraph could be removed.  Should the order of Sections 12.2 and 12.3 be reversed? I.e., talk about IA_NA first, then IA_TA and then IA_PD. In other words, talk about all	msg17559 Fred Templin, https://www.ietf.org/mail-archive/web/dhcwg/current/	See ticket #166  Already done from earlier review	already for ticket #166.		
12.2, 12.3	address assignent methods first before talking about prefix delegation. the sentence "This method of bounding burstiness also guarantees that the long-term transmission rate will not exceed." is a sentence fragment that needs to be resolved before the period. Suggestion is to merge it with the following line as "This method of bounding burstiness also	msg17559  Fred Templin, https://www.ietf.org/mail-	comments.  Already done earlier - sentence was missing "be" - This method of bounding burstiness also guarantees that the long-term	Done.		
13.1	guarantees that the long-term transmission rate will not exceed a Trasmission Rate Limit (TRT)."	archive/web/dhcwg/current/ msg17559	transmission rate will not be exceeded.	Done.		

Section	Comment	Source	Action	Assignee	Types	Color Code
13.2	second paragraph, this is the only place in the document that "renew" and "rebind" are used w/o capitalization. Should change to "Renew" and "Rebind".	msg17559 Fred Templin, https://www.	times?	Bernie - Done		
17.1.5	the sentence beginning: "In particular, if the client had some valid bindings and has chosen". Remove this sentence. Reason - it should be OK for the client to receive bindings from multiple servers if it has some way to keep track of which bindings it received from which servers add a trailing sentence to this section: "The client MAY send a Rebind message if its link-layer address(es) have changed, e.g., to update any cached link-layer address information."	ietf org/mail- archive/web/dhcwg/current/ msg17559 and also https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17562.html Fred Templin, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17559 and also https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17563.html	appropriate. Client that wants to retain bindings, should be using Renew/Rebind. Solicit means starting over.  10/12 - Discussed and we need to add to document a notice that if client is willing to accept Reconfigure, that if MUST "inform" server if previous link-	Nothing to do.  Bernie - Done (added to 17.1.4)	10/12 - Started review here.	
17.1.10.1	final paragraph, delete this paragraph since the client should be able to associate with multiple servers if it wants to.	Fred Templin, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17559 and also https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17562.html	10/12 - If anything, we should put a statement somewhere earlier in the document that "client" (such as when client restarts server discovery) really applies to an interface on the client and even in some cases perhaps a SUBSET of the IAs the client is using (such as if it has separate state machines to deal with IA, NA and IA, PD). The default of a client says "on a link".	Nothing to Do See https:		
17.1.11	the sentence: "How does this mechanism work in the face of duplicated or retransmitted Reconfigure messages?" It seems odd to see this text phrased in the form of a question, which is then immediately answered in the rest of the paragraph. Simply deleting this question will shorten the paragraph while still retaining its integrity.	Fred Templin, https://www.	Bernie - Removed sentence	Bernie - Done		
	add the following as a new last item in the bulleted list:	Fred Templin, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17559 and also https: //www.ietf.org/mail- archive/web/dhcwg/current/	10/12 - See row #80. Same issue. Add to allowed list. Also, 17.1.12 text should be revised to include IA_NA/IA_TA (everything) when "confirmed"	Bernie - 17.1.12 was removed from other comments and consolidated with 17.1.3. As we now have addressed #80 by adding this to Renew (17.1.4.). I didn't make any other changes. I don't think the link-local address change means to trigger a Rebind (Renew is more appropriate). Also, I think "link-layer address" is not correct; that doesn't matter as ND should handle that; it is the client's link-	IETF97: Don't do anything. The list are just examples, we don't want to give people	
17.1.12 18.1.1	o The requesting router's link-layer address(es) change. the sentence: "That is not recommended as it requires additional information to be provided in the server configuration." - suggest deleting this sentence. There may be many deployments that rely on this kind of configuration where a "not recommended" qualification does not apply.		10/12 - Replace "it requires" with "it may require".	local address that matters!  Bernie - Done	suggestions.	
19	this whole Section needs to either import 'draft-ietf-dhc-sedhcpv6' or simply say that a new DHCP authentication mechanism will be specified in a future document.	Fred Templin, https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17559 and also https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17564.html	10/12 - Add reference to sedhcpv6 (informational)	Bernie - Done (but only added to section 21, see row 87)		
20.11	again should mention 'draft-ietf-dhc-sedhcpv6' or simply say that a new DHCP authentication mechanism will be specified in a future document.	Insg 17694.ituli Fred Templin, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17559 and also https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17564.html Fred Templin, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17559 and also https: //www.ietf.org/mail-	,	Bernie - Done (but only added to section 21, see row 87)		
21	again should mention 'draft-ietf-dhc-sedhcpv6' or simply say that a new DHCP authentication mechanism will be specified in a future document.	archive/web/dhcwg/current/ msg17564.html	10/12 - Add reference to sedhcpv6 (informational)	Bernie - Done - added to end of section.		

Section	Comment	Source	Action	Assignee	Types	Color Cod
na	no changes to doc, in favor of publishing	Sheng Jiang, https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17572.html	Not an issue	Nothing to do.		
1.1	Use more detailed title, stateless DHCPv6 service, instead of just stateless, for RFC 3736.	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Note: it's actually better to use the entire RFC title, so I would change this to Stateless DHCP Service for IPv6 and IPv6 Prefix Options for DHCPv6 for RFC 3633. (Ted)	Bernie - Done		
1.4, 1.5	Didn't we at some point consider removing sections 1.4 and 1.5 as they present exchanges of messages before we even got to the terminology?		So I'd be in favor of moving	Inserted before section 5. New section 5 titled "Client-server exchanges" with a short intro (using and moving text from 1.3), followed by 5.1 (which is 1.4) and 5.2 (which is 1.5). So 1.3, 1.4, 1.5 are "removed" and moved into new section 5. Note to update section 1.0 as it		
1.4	Consider adding at the end: "If the server is unable to extend the lifetime of an address or delegated prefix it indicates that by returning the address or delegated prefix with lifetimes of 0. At the same time, the server may assign another address or delegated prefix instead." binding: this should be updated to also include delegated prefixes.	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Bernie - Seems reasonable to add (though we can't have 100% of details in "intro" material). Review with Row #90 changes and determine if appropriate.	Inserted before section 5. New section 5 titled "Client-server exchanges" with a short intro (using and moving text from 1.3), followed by 5.1 (which is 1.4) and 5.2 (which is 1.5). So 5.1.3, 1.4, 1.5 are "removed" and moved into new section 5. Note to update section 1.0 as it references 1.3-1.5.		
	Currently it says:  "A binding (or, client binding) is a group of server data records containing the information the server has about the addresses in an IA"					
	and further it says: " where IA-type is the type of address in the IA"					
4.2	So again, no mention of delegated prefixes.  Similarly, for the IA, is this ok to say:  "Each IA holds one type of address"?. It implies that the prefix is an address.  IA_PD: I think the following can be removed:  "Each IA_PD has an associated IAID. A requesting router may have	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Bernie - Fixed from earlier comment	Tim - Reviewed, good to go.		
4.2	more than one IA_PD assigned to it; for example, one for each of its interfaces."  as it duplicates the text for "IA".	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Bernie - Fixed from earlier comment	Tim - Reviewed, good to go.		
4.2	singleton option: this seems to be underspecified. In particular, "appear only once". The question is where? In a message or other option.	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Suggest adding reference to Section 16 of RFC 72277 Though not explicit there either, it may add more context. Tomek would like some more clarification as 7227 isn't really clear on context.	Bernie - Done.		
6.3	Message descriptions should probably be updated to use the term "leases", instead of addresses.	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Bernie - Fixed from earlier comment	Tim - Reviewed, good to go.		

Section	Comment	Source	Action	Assignee	Types	Color Code
7	msg-type: In wonder if we should add that: "additional message types are defined in other specifications", to not create impression that those in section 6.3 are the only valid messages. For example those in RFC7341.	//www.ietf.org/mail-	Bernie - Huh? Text in 05 already said: "Additional message types are defined in [RFC5007], [RFC5460], [RFC6977], [RFC7341], [RFC7563]. Additional message types may be defined in the future."	Tim - I agree with Bernie this is defined in 7.3		
	OLD: "This method of bounding burstiness also guarantees that the long-term transmission rate will not exceed."  NEW:	Marcin Siodelski, https: //www.ietf.org/mail-	Davis Natura ada is			
13.1	"This method of bounding burstiness also guarantees that the long-term transmission rate will not exceed:" (colon, rather than period at the end).  OLD: UnSpecFail	archive/web/dhcwg/current/ msg17576.html Marcin Siodelski, https:	Bernie - Not sure colon is appropriate here.	Ignore.		
15	NEW: UnspecFail	//www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Nit	Bernie - Done		
	Some paragraphs of this section require fixing punctuation.  The enumeration of reasons why the client would start DHCP message exchange could be better placed earlier in this section. Perhaps, right after the first paragraph.					
	The paragraph starting with: "A server may initiate a message exchange with a client by sending a Reconfigure message to cause the client to send a Renew, Rebind or"	Marcin Siodelski, https: //www.ietf.org/mail-	Add #5 for Reconfigure to list in section 17.	Bernie - Done EXCEPT not		
17	could be moved to the end of the section, after the paragraphs describing client-initiated exchanges.  "In any situation when a client may have moved to a new link and the client does not have any delegated prefixes obtained from the DHCP server"	archive/web/dhcwg/current/ msg17576.html	Move paragraph indicated to end of section.	sure which paragraphs required fixed punctuation?	10/12 - Stopped here.	
17.1.3	This assumes that the client has delegated prefixes and is interested in continuing to use them. But, is this also possible that the client switching to a new link is no longer interested in using delegated prefixes and simply wants to Confirm the addresses assigned? Is this ok to send Confirm to verify that the addresses it has are correct, even though it had received prefixes in previous transaction?	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	none	10/19 - Ignore this issue, we don't have a use case.	10/19 - Started here	
	"The server determines new lifetimes for the leases according to the administrative configuration of the server. The server may also add leases to the IAs. The server can remove leases from the IAs by returning IA Address options (for IA_NA and IA_TA) and IA_Prefix options (for IA_PD) with preferred and valid lifetimes set to 0."			Bernie - Done.		
	This text is server specific and should be better moved to the server section, or alternatively we may want to consider updating this text to be more of a client-side type, e.g.			I decided to REMOVE this text. I don't really see any benefit of this text (either what was there or the proposed client-side text).		
17.1.4	"The client MUST be prepared that the server removes or adds new leases to the IAs. The leases are removed when server sets their preferred and valid lifetimes to 0, in which case the client MUST stop using them immediately."	//www.ietf.org/mail- archive/web/dhcwg/current/	10/19 - Tomek, Marcin, and Bernie agreed that this was a good change to make 17.1 text client specific; perhaps move server specific actions into 17.2	The text in 18.2.10.1, Reply for Solicit (with Rapid Commit), Request, Renew or Rebind, is pretty clear about all of these things that can happen so it seems redundant (less is better).		
17.134	I'd suggest we put this paragraph at the beginning of the section:	msg17576.html	as appropriate.	seems redundant (less is better).		
	"Upon receipt of one or more valid Advertise messages, the client selects one or more Advertise messages based upon the following criteria."					
	as it is the first for the client to select the Advertise message.					
	Then, it should be followed by: "The client MUST ignore any Advertise with the exception of SOL_MAX_RT and INF_MAX_RT", because we want the client to process SOL_MAX_RT and INF_MAX_RT from a selected	Marcin Siodelski, https: //www.ietf.org/mail-				
17.1.9	Advertise message, not from all messages.	archive/web/dhcwg/current/ msg17576.html	Now 18.2.9.	Tim - Completed		

Section	Comment	Source	Action	Assignee	Types	Color Code
	The new text starting with:  "When a client had received a configuration option in earlier Reply, then sent Renew, Rebind or Information-Request and that requested option does not appear in in the Reply any more, it MUST stop using					
17.1.10.1	includes Information-request but this section is not about the Information-request case. One of the option would be to include Information-request in the section title, but then there is a lot of text in this section that is not relevant to Information-request. Perhaps it would be better to have a separate section that includes this text, e.g. "Lack of Previously Received Options in Repty".	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Now 18.2.10.1. Move the 2 paragraphs about option handling in Replies to end of 18.2.10.	Tim - Done		
			Now 18.3. Bernie - Well, for "in most instances" there are some cases were a Reply is not sent?			
	Spurious "In most instances".	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/	Not sure if we care about that?  Bernie - Already addressed	Bernie - Done (changed "in most	•	
17.2	Duplicated "as indicated by the Reconfigure".  OLD: "the servers discard the Solicit message"	msg17576.html	duplicated text.	instances" to "in most cases").		
	NEW: "the server discards the Solicit message"					
	OLD: "Sending this option back to the client may useful using server selection process."					
17.2.1	NEW: "Sending this option back to the client may be useful in server selection process."	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17576.html	Bernie - Fixed 1st issue; 2nd issue ignored as text removed (I think Advertise section already covered this).	Bernie - Done? Tomek - yes, the first is done and the second refers to text that's removed already.	Tomek: The first one is done, but I can't find the second text.	
			Bernie - I'm not sure that this is necessarily wrong (there is no 17.2.0), but 17.2 also doesn't say that much so we might want	ŕ		
	In the following sentence: "The server includes options containing configuration information to be returned to the client as described in Section 17.2."	Marcin Siodelski, https: //www.ietf.org/mail-	to look at whether more needs to be said about returning "other configuration" options. Note also that this applies to other 17.2.x	)		
17.2.6	it sounds odd to direct the reader to section 17.2. while the reader is in fact in section 17.2. (specifically 17.2.6).  OLD:	archive/web/dhcwg/current/ msg17576.html	sections as they also have this same text.	Ignore.		
	"Prefix Excluded"  NFW-	Marcin Siodelski, https: //www.ietf.org/mail- archive/web/dhcwg/current/				
17.2.9	"Prefix Exclude"	msg17576.html  Marcin Siodelski, https: //www.ietf.org/mail-	Nit	Bernie - Done		
24	Together with obsoleting the lifetime hints we obsoleted T1/T2 hints, which we should probably mention here	archive/web/dhcwg/current/ msg17576.html	Nit	Bernie - Done		
	I'm okay with deprecating the delayed authentication protocol, but I'm not sure if it's okay to ship the spec with no built-in authentication (the reconfigure key protocol is very limited and too weak). As security/privacy is generally considered to be a critical part of any IETF spec today rather than just an optional "nice thing to have", I imagine this can be a big concern for the IESG. If my observation is simply incorrect, that's fine; I'm not intending to raise this point as a blocking issue. But if I'm right, it will be quite tricky issue. I don't think it's realistic to introduce a new authentication mechanism to ric3315bis, but then I have no good idea on how to address the concern. My suggestion at this point is to	ligasi Tahus (https://www.	Bernie - We added SEDHCPv6 reference (only to security consideriations at this point). Also, since no one is using this, what value is there in documenting something that isn' in use and not likely to be used. think we'll ignore comment and revisit if we get IESG pushback			
General Comment	consult a security AD sooner than later (i.e., in this last call period) to see whether the current approach can be a blocking issue or not, and if it is, how we could address it.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	(not sure what we can do about it, except perhaps wait until SEDHCPv6 has progressed).	Ignore.		
	I think overall tone of privacy considerations will have to be modernized. It seems rfc3315bis currently still has the same (maybe implicit) assumptions that DHCP(v6) is generally free from privacy issues. As we now all know the trend has been significantly changed in the IETF in general, and dhe is not an exception. I've pointed	Jinmei, Tatuya (https://www.ietf.org/mail-	Bernie - We have a privacy considerations section which references the privacy RFCs. This section was updated a bit since the 05. Others are encouraged to review updated			
General Comment	out some specific text on this issue below, but I think it should also be considered a general issue.	archive/web/dhcwg/current/ msg17577.html)	text and update further if needed.	Ignore.		
	•	,		-		

DHCDH's is the "stateful address autoconfiguration protocol" and the Address Autoconfiguration protocol" and the Address Autoconfiguration (PIC-C4602) in a minute of the C4602 in the C460	Section	Comment	Source	Action	Assignee	Types	Color Code
Secretary of Lands and Comment	General Comment	there's any real-world deployment of it (\(\bar{l}\) personally don't know of any. And, if it's not actually deployed, wouldn't the same argument apply as deprecating the delayed authentication protocol? IA_TA is not just (almost or totally) unused, but can also do harm by	ietf.org/mail- archive/web/dhcwg/current/	big change. I'm ok with that, but that definitely warrants a	Ignore - See ticket #124 as previ	ously discussed in WG and consensus was to keep.	
DECONS is the "tradeful address autoconfiguration protocol" and the support of th	General Comment	RFC7550 is integrated into rfc3315bis. In particular, it's not clear whether it clearly specifies (and effectively enforces) the concept of using a single DHCPv6 session for all IA types. This is another instance that made me think I can only abstain; if I actually tried to implement the spec I might be able to know it's well already described or identify inconsistency or lack of description. But just by reading this size of doc it's quite	ietf.org/mail- archive/web/dhcwg/current/	If the client received multiple IA containers, it SHOULD pick renew and/or rebind transmission times so all IA containers are handled in one exchange, if possible.", I'm still	Tomek: extend the last sentence of 17.0 to add reference to 7550 for justification and make it into separate section (before 17.1).		
This paragraph in this occasion symme and should be removed. FOR PCARED and should be removed. The relation of the process of		"stateful autoconfiguration protocol" referred to in "IPv6 Stateless			in section 1: "DHCPv6 is the "stateful address autoconfiguration protocol" and		
notable extensions were published; profit delegation [RFC0838], stateleses (RFC738] is and more point. but if don't think RFC3786 is an "extension" as the RFC pretry clearly says in its abelianction.  A minor point, but I don't think RFC3786 is an "extension" as the RFC pretry clearly says in its abelianction.  IPV6 Stateless Address Autoconfiguration [RFC4862] specifies   Profit profit profit interaction by which a node begins stateless or stateful autoconfiguration is specified to have described to clearly define how MIO bits wors, on the description of "lan".  3	1	RFC4862 already just refers to DHCPv6 (there's even no reference to the odd phrase of "stateful address autoconfiguration protocol" in RFC4862).	ietf.org/mail- archive/web/dhcwg/current/		protocol" referred to in "IPv6 Stateless Address Autoconfiguration" [RFC4862]."		
A minor point, but I clearly takes PC-278 is an "extension" as the RFC pretty clearly asys in the abstraction.  RFC pretty clearly asys in the abstraction of the state of the		notable extensions were published: prefix delegation [RFC3633], stateless [RFC3736], update to SOL_MAX_RT and INF_MAX_RT					
IPv6 Stateless Address Autoconfiguration   FC-4862] specifies	1.1		ietf.org/mail- archive/web/dhcwg/current/		follow up extensions" => "and a number of follow up documents". Done Tomek; remove "In addition, the		
anymorie (because we failed to deanly define how MIO bits work).  on the description of Tink*  IP. Examples are Ethernet (simple or bridged); Token Ring; PPP and PPPoE links, X.25, Frame Relay, or ATM networks; and internet (or higher) layer "turners," such a fine the examples include technologies almost dead today and now look a bit adward. You might want to modernize dead today and now look a bit adward. You might want to modernize the examples.  Inik-local address An IPv6 address having a link-only scope, indicated by having the prefix (FE80:/10).  Although not necessarily for cases like RFCs. RFC5852 generally recommends to use I lower-case letters. If CS15 bits likefl uses in other places, a bit world at least the better of the consistent.  4.1 the "stateful address autoconfiguration protocol" for IPv6 [RFC2462].  4.1 the "stateful address autoconfiguration protocol" for IPv6 [RFC2462].  5.2 **IPVE (FE80:/10)**  Although not necessarily for cases like RFCs. RFC5852 generally recommends to use I lower-case letters. If CS15 bits likefl uses updated to the latest version. I worn't repeat this sense of referring to the older version all of these references should be updated to the latest version. I worn't repeat this sense of comment, but there are several other such cases.  **IPVE (FE80:/10)**  Investigation of the comment of the places, and the lifetime is a duration, not a several world inferime to the older version all of these references should be updated to the latest version. I worn't repeat this sense of comments of the valid lifetime in those advertisements to be no later than "no later than's bounds advertisements as the lifetime of the version and the later than should be advertisement to the local process of the later than should be advertisement to the later than should be advertised by the later than should be adverted by the later than should		[] In addition, the protocol interaction by which a node begins stateless or stateful autoconfiguration is specified.	ietf.org/mail-	Bernie - See above for Jinmei's	interaction by which a node begins stateless or stateful autoconfiguration is specified. DHCP is one vehicle to perform stateful		
bridged). Token Ring: PPP and PPPCE links, X.25, Frame Relay, or ATM networks: and Internet (or higher) layer "funnels", such as tunnels over [Pv4 or IPV6 itself.  This is not incorrect, but the examples include technologies almost dead today and now look a bit awkward. You might want to modernize indicated by having the prefix (FE80:/10).  You might want to lower-case the prefix (i.e., to "fe80:/10"). Although not necessanity for cases like RFCs. RFC9952 generally recommends to use lower-case letters. risc310 fish itself uses fower-cased version in other places, so it would at least be better to be consistent.  **Ife "stateful address autoconfiguration protocol" for IPv6 (RFC2462). **SFRC2462/RFC4860/. In general, unless you have a specific reason for referring to the older version all of these references should be updated to the latest version. I won't repeat this sense of comment, but there are several other such cases.  **Ife "stateful address autoconfiguration protocol" for IPv6 (RFC2462). **SFRC2462/RFC4860/. In general, unless you have a specific reason for referring to the older version all of these references should be updated to the latest version. I won't repeat this sense of some the valid lifetime in those advertisements to be no later than the valid lifetime in those advertisements to be no later than the valid lifetime in those advertisements to be no later than the valid lifetime in those advertisements to later than the valid lifetime in those advertisements to later than the valid lifetime in those advertisements to later than the valid lifetime in those advertisements to later than the valid lifetime in those advertisements in a duration, not a  **No later than "sounds awkward as the lifetime is a duration, not a later than the reference in subject to the later than the lifetime in those advertisements to later than the valid lifetime in those advertisements to later than the lifetime in the series of later than the valid lifetime series and the valid lifetime in those advertisements to later	3	anymore (because we failed to cleanly define how M/O bits work).				10/19 - Stopped here	
This is not incorrect, but the examples include technologies almost dead today and now look a bit awkward. You might want to modernize the examples.  Iink-local address An IPv6 address having a link-only scope, indicated by having the prefix (FE80::10), Although not necessarily for cases like RFCs, RFC5952 generally recommends to use lower-case deters, ricase letters, ricas 2315 bis itself uses lower-cased version in other places, so it would at least be better to be consistent.  4.1 the "stateful address autoconfiguration protocol" for IPv6 [RFC2462].  s/RFC2462/RFC4862/. In general, unless you have a specific reason for referring to the older version all of these references should be updated to the latest version. I won't repeat this sense of comment, but there are several other such cases.  [] the requesting router MUST set the valid lifetime in those advertisements to be no later than "no later than" sounds awkward as the lifetime is a duration, not a such as the valid lifetime in those advertisements to be no later than "no later than" sounds awkward as the lifetime is a duration, not a such as a dear to see the valid lifetime in those advertisements to be no later than "no later than" sounds awkward as the lifetime is a duration, not a such as a dear to see the valid lifetime in those advertisements to be no later than "effort gimality and the valid lifetime in those advertisements to be no later than tell reformality and the valid lifetime in those advertisements to be no later than "effort gimality and the valid lifetime in those advertisements to be no later than "effort gimality and the valid lifetime in those advertisements to be no later than "effort gimality and the valid lifetime seed field in the IA_PD Prefix option.  Interviewebl/dhow/gicurrent/ mg/1757.html)  Interviewebl/dhow/gicurrent/ mg/1757.html  Nit material valid lifetime in this seed and internet"  Interviewebl/dhow/gicurrent/ mg/1757.html  Nit material valid lifetime in this seed and internet"  Interviewebl/dhow/gicurrent/ m		bridged); Token Ring; PPP and PPPoE links, X.25, Frame Relay, or ATM networks; and Internet (or higher) layer "tunnels", such	linmei Tetuva (https://www.	remove? Token Ring? X.25,			
You might want to lower-case the prefix (i.e., to "fe80:/10"). Although not necessarily for cases like RFCs, RFC5952 generally recommends to use lower-case letters. rfc3315bis itself uses lower-cased version in other places, so it would at least be better by the consistent.  4.1 to be consistent.  The "stateful address autoconfiguration protocol" for IPv6 [RFC2462].  S/RFC2462/RFC4862/. In general, unless you have a specific reason for referring to the older version all of these references should be updated to the latest version. I won't repeat this sense of comment, but there are several other such cases.  5.2  Jinnei, Tatuya (https://www.ietf.org/mail-archive/web/dhcwg/current/msg17577.html)  Site Bernie - See earlier comments on this. We need old document as 4862 says "Avolded the wording of "stateful configuration", which is known to be quite confusing, and simply archive/web/dhc/wg/current/msg17577.html)  Site "serie - See earlier comments on this. We need old document as 4862 says "Avolded the wording of "stateful configuration", which is known to be quite confusing, and simply sed" DHCPv6 wherever appropriate. There's appropriate was a list. It is a bit messy since we have to say that the lifetime serie either absolute or relative, the intent here seems in the RA must not exceed the remaining lifetime of the earn in the RA must not exceed the remaining lifetime of the earn in the RA must not exceed the remaining lifetime for the earn in the RA must not exceed the remaining lifetime for the earn in the RA must not exceed the remaining lifetime for the earn in the RA must not exceed the remaining lifetime for the earn in the RA must not exceed the remaining lifetime for the earn in the RA must not exceed the remaining lifetime for the earn in the RA must not exceed the remaining lifetime for the earn in the RA must not exceed the remaining lifetime for the earn	4.1	dead today and now look a bit awkward. You might want to modernize the examples.  link-local address An IPv6 address having a link-only scope,	ietf.org/mail- archive/web/dhcwg/current/	have Ethernet (simple or bridged); PPP and PPPoE links;	Bernie - Done - Removed	10/26 - Started here	
the "stateful address autoconfiguration protocol" for IPv6 [RFC2462].  s/RFC2462/RFC4862/. In general, unless you have a specific reason for referring to the older version all of these references should be updated to the latest version. I won't repeat this sense of updated to the latest version. I won't repeat this sense of comment, but there are several other such cases.  5.2    Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to be quite confusing, and simply used "DHCPv6" wherever appropriate.   Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to be quite confusing, and simply used "DHCPv6" wherever appropriate.   Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to leave the part of public working, and simply used "DHCPv6" wherever appropriate.   Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to leave the part of public working, and simply used "DHCPv6" wherever appropriate.   Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to leave the part of public working, and simply used "DHCPv6" wherever appropriate.   Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to leave the part of public appropriate. There's also Jinme's comment on lead the public value of the part of the value as is and see what leSG.   Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to leave a "love" also Jinme's comment on the part of the value as is and see what leSG.   Immei, Tatuya (https://www.hording of "stateful" configuration", which is known to leave a "love" also Jinme's comment on the part of the value appropriate. There's also Jinme's comment on the part of the volue into the part of the late of the value into the part of the val	4.1	You might want to lower-case the prefix (i.e., to "fe80::/10").  Although not necessarily for cases like RFCs, RFC5952 generally recommends to use lower-case letters, rfc3315bis itself uses lower-cased version in other places, so it would at least be better	ietf.org/mail- archive/web/dhcwg/current/	Nit	Bernie - Done		
referring to the older version. I won't repeat this sense of comment, but there are several other such cases.  5.2  Signatury (https://www.pdf.drug/mail-archive/web/dhcwg/current/msg17577.html)  [E.] the requesting router MUST set the valid lifetime is those advertisements to be no later than "no later than" sounds awkward as the lifetime is a duration, not a archive/web/dbcwg/current in the RA must not exceed the remaining lifetime of the care in using later (rather than sounds awkward as the lifetime is a duration, not a sounds and simply sed "DHCPv6" wherever appropriate."    Sounds (https://www.left.org/mail-archive/web/dhcwg/current/msg17577.html)   Sounds (https://www.left.org/mail-archive/web/dhcwg/current/msg17577.html)		• • • • • • • • • • • • • • • • • • • •		on this. We need old document as 4862 says "Avoided the	review the 2462 uses to assure		
cleaning up as I would think the intent is clear? If we do need to set the valid lifetime in those advertisements to be no later than the valid lifetime specified in the IA_PD Prefix option.  Jinmei, Tatuya (https://www. left.org/mail- in the RA must not exceed the "no later than" sounds awkward as the lifetime is a duration, not a archive/web/dhcwg/current?  cleaning up as I would think the intent is clear? If we do need to say that the lifetime sent is; lifetimes are either absolute or relative, the intent here seems remaining lifetime of the remaining lifetime of the remaining lifetime of the remaining lifetime of the remaining lifetime is a duration.	5.2	referring to the older version all of these references should be updated to the latest version. I won't repeat this sense of	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/	configuration", which is known to be quite confusing, and simply used "DHCPv6" wherever appropriate."	also Jinmei's comment on Section 1 to consider. [Tim] - IETf96 leave as is and see what		
"no later than" sounds awkward as the lifetime is a duration, not a archive/web/dhcwg/current/ remaining lifetime of the clearer in using later (rather than		set the valid lifetime in those advertisements to be no later than	Jinmei, Tatuya (https://www.	cleaning up as I would think the intent is clear? If we do need to fix, it is a bit messy since we have to say that the lifetime sent	is; lifetimes are either absolute		
	5.4		archive/web/dhcwg/current/	remaining lifetime of the	clearer in using later (rather than		

Section	Comment	Source	Action	Assignee	Types	Color Code
	RENEW (5) A client sends a Renew message to the server that originally provided the client's addresses and []	linnoi Tohura (https://				
6.3	What about prefixes? Same for REBIND, and there seem to be other cases where the integration of address assignment and prefix delegation isn't enough.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Nit	Bernie - Already addressed from earlier comments		
	link-address An address that will be used by the server to identify the link on which the client is located. This is typically global, sitescoped or ULA [RFC4193], but see discussion in Section 18.1.1.					
8.1	site-scope unicast address has been deprecated. Also, the phrase "global or ULA" is awkward as ULA is a global (scoped) address. You might be interested in draft-carpenter-6man-whats-global-00.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Nit	Bernie - Already addressed from earlier comments		
	[] The DUID is designed to be unique across all DHCP clients and servers, and stable for any specific client or server - that is, the DUID used by a client or server SHOULD NOT change over time if at all possible;	Jinmei, Tatuya (https://www.	Tomek & Bernie - Need to add,			
10	I guess this property is now changing because of the privacy concerns.	ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	"The client may change is DUID as specified in Anonymity Profiles for DHCP Clients".	Tomek - TODO		
	[] The link address field refers to the link- address field of the Relay-Forward message, and the link- address fields in any Relay-Forward messages that may be nested within the Relay-Forward message.		Tomek & Bernie: May want to replace with "The link-address in this case may come from any of the Relay-Forward messages encapsulated in the received			
12.1	I failed to understand this sentence (especially the part after "and"). If this is not a wording error, I guess some more explanation will be needed.	Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)		Tomek		
	A client is not expected to listen for a response during the entire period between transmission of Solicit or Information-request messages.	lianai Tahua (https://www.		Damie Alexandra addressed form		
14	I don't understand what this (addition to the original 3315) tries to say.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done in earlier comment	Bernie - Already addressed from earlier comments (text added to indicate why client need not wait - power usage)		
	- the message was not unicast to the client.					
15.11	I'm not sure why we bother to say this, and only for Reconfigure. Is there any case where a DHCPv6 message to a client isn't unicasted at all?	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msq17577.html)	Bernie - Because we require this message to be UNICAST.	Bernie - Ignore comment.		
	[] In					
	the case of a Solicit message transmitted when DHCP is initiated by IPv6 Neighbor Discovery, the delay gives the amount of time to wait	Jinmei, Tatuya (https://www.ietf.org/mail-				
17.1.1	IPv6 ND would not "initiate" DHCP anymore (see also the comment on Section 3 above).  [] the requesting router	archive/web/dhcwg/current/ msg17577.html)	Tomek & Bernie - Remove "by IPv6 Neighbor Discovery".	Tomek - done		
	MUST set the valid lifetime in those advertisements to be no later than the valid lifetime specified in the IA_PD Prefix option.	Jinmei, Tatuya (https://www.ietf.org/mail-				
17.1.10.1	"no later than" sounds awkward for these lifetimes (see also Sec 5.4). This bullet:	archive/web/dhcwg/current/ msg17577.html)	Tomek & Bernie - See earlier	Ignore		
	Sends a Request message if any of the IAs in the Reply message contains the NoBinding status code. []		Tomek & Bernie: (1) remove			
	and this sentence seem to contradict each other.		sentence about only adding bindings that returned			
	[] This facilitates the client using a single state machine for all bindings.		NoBinding; (2) this is only for a Rebind as the server may have been unable to allocate leases			
17.1.10.1	Specifically, the bullet description seems to lead to multiple separate state machines for different bindings.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	as per issue with multiple servers responding to Rebind (aka the Rapid Commit restrictions).	Bernie - Done. Actually, it is for the Renew case as well so (2) is incorrect.		
		Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/	during RFC 7550 and WG agreed to use Rebind for PD.	Bernie - Ignore as it was WG		
17.1.12	why can't we simply use CONFIRM for this purpose?	msg17577.html)	Let's not reopen.	consensus		

Section	Comment	Source	Action	Assignee	Types	Color Code
				Bernie - BUT, I think we may have goofed in removing the Reconfigure Accept from the Reply, Isn't this need when the Reply, Isn't this need when the strong the strong the service of the		
	[] If the reconfigure mechanism is supported, the server is supposed to send Authentication option with Reconfigure Key (see Section 19.4 for details).		Tomek & Bernie - Replace the sentence with something less specific, such as "Use of the	TODO Tomek: in Seoul we decided to add back the reconfigure accept option, because when better security		
17.2.2	What if we re-introduce securer authentication (whether it's sedhcpv6 or not)? Should we still keep using Reconfigure Key, which contains a private key in plain text? (see also comment on Section 19.4)	Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	reconfigure mechanism requires some kind of authentication and see section 19.4 for the default mechanism if no other is available."	the server will no longer send Reconfigure key.		
17.2.2	[] If the Option Request option includes a container option the server MUST include all the options that are eligible to be encapsulated in the container.		Tomek & Bernie - Add definition			
17.2.9	Is the term "container option" defined somewhere? If not maybe it should in the terminology section.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	of container option - an option that encapsulates other options (such as IA_NA which encapsulates IAADDR options).	Bernie - Done		
17.2.9	"server MUST NOT include this address or delegated prefix in the Advertise message" - incomplete sentence or missing period	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done	Bernie - Done		
	If the relay agent received the message to be relayed from a client, the relay agent places a global, ULA [RFC4193] or site-scoped address with a prefix assigned to the link on which the client should be assigned an address in the link-address field.	Jinmei, Tatuya (https://www.				
18.1.1	s/global, ULA [RFC4193] or site-scoped/global/ (see comment on Sec 8.1)	ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done in earlier comment	Bernie - Already done from earlier comments.		
	[] If not addresses of other scopes are available the relay agent may fill in the link- address field with a link-local address from the interface the original message was received on. That is not recommended as it	Jinmei, Tatuya (https://www.				
18.1.1	s/If not/If no/ (?) Also, the term 'other scopes' sounds awkward with deprecation of unicast site-local. I suggest: 'If no global address is available"	ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done in earlier comment	Bernie - Already done from earlier comments.		
	If the source address from the IP datagram header of the received message is a global or site-scoped address (and the device on which	Jinmei, Tatuya (https://www.ietf.org/mail-		Paraio Already dono from		
18.1.2	s/global or site-scoped/global/ (see above)  [] The information in DHCP messages is not generally considered confidential, so	archive/web/dhcwg/current/ msg17577.html)	Done in earlier comment	Bernie - Already done from earlier comments.		
	encryption need not be used (i.e., NULL encryption can be used).		Tomek & Bernie - Drop this			
19.1	This doesn't seem to reflect the our consensus accurately (always enabling encryption in sedhcpv6). I'm not saying rfc3315bis should define DHCPv6 encryption, but I believe general statement like this should be consistent with our latest view (or at least not clearly inconsistent with it).	Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	sentence.  See https://www.ietf.org/mail- archive/web/dhcwg/current/msg 17774.html	Bernie - DONE (used text from draft-ietf-dhc-relay-server-security-02 but did not use 2119 keywords.		
	Key management Because the relay agents and servers are used within an organization, public key schemes are not necessary. Because the relay agents					
40.4	This argument sounds weak. With that logic we should also be able to say public key schemes are not necessary between clients and servers. Perhaps the real intent is that both relay agents and servers tend to be managed by the same administrator (or admin group) so managing shared secret is acceptable?	ietf.org/mail- archive/web/dhcwg/current/		Bernie - DONE change "are not necessary" to "may not be necessary". Do this in this document also in draft-ietf-dhc-		
19.1	The Reconfigure Key protocol is used (initiated by the server) only if the client and server are not using any other authentication protocol and the client and server have negotiated to use Reconfigure messages.	msg17577.html)  Jinmei, Tatuya (https://www.	entire section with that text.	relay-server-security!		
19.4	This statement now sounds awkward since this is now the only defined authentication protocol. (see also comment on Section 17.2.2)	ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Tomek & Bernie - See Jinmei's comment on 17.2.2.	Ignore		

Section	Comment	Source	Action	Assignee	Types	Color Code
20.4	IAID [] The number space for IA_NA IAIDs is separate from the number space for IA_TA IAIDs.  This should also list IA_PD IAIDs. Same for IAID of other types of IAs.  In a message sent by a client to a server, the T1 and T2 fields SHOULD be set to 0. The server MUST ignore any values in these fields in messages received from a client.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done	Bernie - Done (Fixed IA_TA and IA_PD text too)		
	With this, this doesn't make sense to me:  If a server receives an IA_NA with T1 greater than T2, and both T1 and T2 are greater than 0, the server ignores the invalid values of T1 and T2 and processes the IA_NA as though the client had set T1 and T2 to 0.					
20.4	Shouldn't the first para simply say the server MUST ignore these values whatever they are? Then the second para is simply redundant; if not, and if the second para means the server can accept such non-0 T1/T2 as long as T1 <= T2, then it's not consistent with the first para.  IPv6 address An IPv6 address.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	done	Bernie - Done (Fixed IA_PD text too)		
20.6	Maybe we should note that no "associated prefix length" is implied for this address, and, in particular, that clients MUST NOT assume any length of prefix that matches this address is on-link, referring to RFC7421.	Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done	Bernie - Done		
20.6	[] A server [] and ignores the values for T1 and T2 set by the client if those values are greater than the preferred lifetime.  The "if" condition seems unnecessary (see comment on 20.4) or perhaps the whole "and ignores" part is unnecessary.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done	Bernie - Done		
	encapsulated in the container MUST NOT by in the Option Request, see s/MUST NOT by/MUST NOT/ (?)	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/		Bernie - Already done from		
20.7	s/Option Request/Option Request option/ If a delegating router receives an IA_PD with T1 greater than T2, and both T1 and T2 are greater than 0, the delegating router ignores the invalid values of T1 and T2 and processes the IA_PD as though the requesting router had set T1 and T2 to 0.	msg17577.html)  Jinmei, Tatuya (https://www.	Done in earlier comment	earlier comment.		
20.21	So is it okay for a delegating router to accept non-0 T1 or T2? If so, why it's different from the "first para" I referred to in my comment on Section 20.4 (see above)?	ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Done in earlier comment	Bernie - Already done from earlier comment.		
	In a message sent by a delegating router the preferred and valid lifetimes should be set to the values of AdvPreferredLifetime and AdvVaildLifetime as specified in section 6.2.1, "Router Configuration Variables" of [RFC2461], unless administratively configured.					
	This choice of valid/preferred lifetime in an IA prefix and the (possible) relationship between them and those lifetimes advertised in the delegated site do not make perfect sense to me. Consider a requesting router which has an upstream interface, I1, on which PD is performed, and a downstream interface I2, to which it sends router advertisements for end hosts. Unless there's a specific reason to use different values, I'd expect valid and preferred lifetimes in the router advertisement sent out from I2 to be AdvValidLifetime (30 days) and AdvPreferredLifetime. I'd also expect they do not change in subsequent RAs unless prefix renumbering is taking place.					
	But it's not impossible if we strictly honor the sense of the IA prefix lifetimes, since the lifetimes are (effectively) decreasing to 0 until the next Renew-Reply exchange, and, logically, lifetimes of the RA can't be larger than the lifetimes of the "site prefix".					
20.22	So I think the recommended lifetimes of an IA prefix should at least take into account some margin for the duration until the next renew. It would also be better if we clarify the relationship between these two types of lifetimes more explicitly, but one might think it's beyond the scope of the base DHCPv6 protocol spec.	Jinmei, Tatuya (https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)	Tomek & Bernie - Remove this text as we provide no guidance on IAADDR lifetimes; so why do we need them on IAPREFIX lifetimes.	Tomek - Done		
	A delegating router [] and ignores the values for T1 and T2 set by the requesting router if those values are greater than the preferred lifetime.	Jinmei, Tatuya (https://www.ietf.org/mail-archive/web/dhcwg/current/				
20.22	Same comment as that for 20.21 applies.	msg17577.html)		Bernie - Done		

Section	Comment	Source	Action	Assignee	Types	Color Code
20.00	A DHCP client MUST include the SOL_MAX_RT option code in any Option Request option (see Section 20.7) it sends.  I don't understand the need for this MUST. If it's a MUST, can't the server simply assume as if it were actually included in an option request option and respond accordingly? Or, perhaps it's for distinguishing legacy implementations that don't support the SOL_MAX_RT option from newer ones? (If so, I think it's worth noting	Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/	configurable SOL_MAX_RT values, even if the server is a			
20.23	explicitly; otherwise some other people may wonder the same point).  If a DHCP client receives a message containing a SOL_MAX_RT option that has a valid value for SOL_MAX_RT, the client MUST set its internal SOL_MAX_RT parameter to the value contained in the SOL_MAX_RT option.  The expected usage is not very clear to me here. Is it intended to	msg17577.html)	Added text: "The purpose of this mechanism is to give network administrator a way to avoid large DHCP traffic if all DHCP	Tomek - Done		
20.23	be used for Advertise and apply the value to the ongoing Solicit-Advertise exchange? Or is it mainly intended to be used for a possible subsequent restart of a DHCPv6 session?  Because a requesting router and delegating routers must each have at	Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17577.html)		Tomek - Done		
	least one assigned IPv6 address, the routers may be able to use IPsec for authentication of DHCP messages.  The statement in the "because" clause seems too strong to me. (Assuming a link-local address is not an "assigned IPv6 address" in this context) isn't it completely possible that a requesting router bootstraps just with a link-local address, starting a fresh DHCPv6 session to get IAPD (and maybe IANA for its own address)? Then "must each have at least one assigned IPv6 address" does not always hold.	Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/	Tomek & Bernie - Change "at least one assigned IPv6 address" to "at least a link-local	Bernie - Text had been changed from earlier comments and thus		
21		msg17577.html)  Jinmei, Tatuya (https://www.ietf.org/mail- archive/web/dhcwg/current/	IPv6 address".	nothing to do.		
22	[RFC7824]. It particular, Section 3 of said document discuss various I strongly suggest this be kept with substantial revise, instead of just instructing the RFC editor to remove it. See https://www.ietf.org/mail-archive/web/dhcwg/current/msg17524. html	msg17577.html)  Jinmei, Tatuya (https://www.ietf.org/mail-archive/web/dhcwg/current/	Done in other comment	Bernie - Done (earlier comment)  Tomek - Ok, let's keep the		
Appendix A	Seems odd that v4 should be used for v4, not v6, but then RFC7341 is quoted.  Left up to the reader to decide what to do? Some guidance might be useful here.	msg17577.html)  Kim Kinnear (https://www.ietf.org/mail-archive/web/dhcwg/current/	Will keep the appendix  Discussed with Kim 12/21 - He's prefer that the last sentence was re-written to clarify that "For IPv6 only networks, RFC7341 may		10/26 - Stopped review (Tomek & Bernie)	
1.2	First sentence. Perhaps " and is the "stateful address authoonfiguration protocol"	msg17586.html) Kim Kinnear (https://www.ietf.org/mail-archive/web/dhcwg/current/	be used."	Bernie - DONE.		
5.2	for IPv6 which is discussed in [RFC2462]." would better Figure 1. I would replace "DSL to subscriber" with "Network link to subscriber". Or someething like that. I think DSL isn't going to aid understanding now or into the	archive/web/dhcwg/current/	NIT	TIM - Done		
13.1	future.  First paragraph. "This loops can repeat" -> "This loop can repeat"	msg17586.html) Kim Kinnear (https://www.ietf.org/mail-archive/web/dhcwg/current/msg17586.html)	Nit	Bernie - Done  Bernie - Already fixed from earlier comments.		
13.2	"Client MUST choose" -> "Clients MUST choose"	Kim Kinnear (https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17586.html)	Bernie and Tomek agrees, decided to keep singular form.	Bernie - As client is used through this section, not sure plural would be appropriate here? Tomek - agree, let's keep sinular everywhere, unless we want to emphasize multiple clients in specific context.		
15	I think that "A server MUST discard any Solicit" should be "A server SHOULD discard" MUST seems overly restrictive to me, despite being in RFC3315. Not that I expect anyone to change it based on this comment	Kim Kinnear (https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17586.html) Kim Kinnear (https://www.	IETF97: Tim/Bernie/Tomek discussed and decided to keep the text from 3315 unchanged. We may revisit if there's a very good reason given.	Ignore		
17	Second paragraph after the list. " solicitation process to obtain the bindings from a"	ietf.org/mail- archive/web/dhcwg/current/	NIT	Tim - Done		
17	-> " solictation process to obtain the same bindings from a"	msg17586.html)	NIT	Tim - Done		

Section	Comment	Source	Action	Assignee	Types	Color Co
		Kim Kinnear (https://www.ietf.org/mail-				
17.1	I would remove "DISCUSSION:" and just make this a regular paragraph.	archive/web/dhcwg/current/	NIT	Tim -Done		
17.1	"The client MUST include an Option Request option" but section 20.7	mag 17 300.num)	1411	Tim -Done		
	says "MAY" include an Option Request option. The implication in 17.1.1 is					
	that you have an ORO with SOL MAX RT in it, or what, exactly, will		Bernie - Changed MAY to			
	happen? Packet dropped? Seems like either MUST -> MAY, or some additional	Kim Kinnear (https://www.ietf.org/mail-	MUST. Also noticed Confirm was in the list of messages and			
	clarity would	archive/web/dhcwg/current/	removed it since ORO is not	B : BONE		
17.1.1	be good here. This is in 17.1.2 as well.	msg17586.html) Kim Kinnear (https://www.	used in Confirm.	Bernie - DONE IETF-97: Remove		
	Here the "DISCUSSION" seems appropriate. Not clear why that seems to be	ietf.org/mail- archive/web/dhcwg/current/		DISCUSSION, it's weird. Remove the word and clean up		
17.1.11	the case, as opposed to 17.1.	msg17586.html)	Done	the paragraph. TIM -Done		
		Kim Kinnear (https://www. ietf.org/mail-				
20.7	" or the will not" -> " or they will not"	archive/web/dhcwg/current/ msq17586.html)	Nit	Bernie - Was already done from earlier comments.	l e e e e e e e e e e e e e e e e e e e	
20.7	p.7 RFC4477 discussed dual-stack DHCP issues, and recommended	msg17560.num)	IVIL	earlier comments.		
	separate servers per protocol (and thus not adding IPv4 options to DHCPv6). It may be worth citing, but some of the discussion may now be		Tomek: see if 4477 discussion			
	dated. The section doesn't discuss how merging of responses from DHCPv4		brings in any value and reference if needed. Add a			
	and DHCPv6 might be done. It should probably be flagged, but marked	Tim Chown (https://www.ietf.	. comment about merging			
	out of scope for 3315bis. I know we started discussing this years ago (draft-ietf-dhc-dual-stack-merge-01), but no consensus was reached as	org/mail- archive/web/dhcwg/current/	DHCPv4 and DHCPv6 configurations being out of			
1.2	far as I recall.	msg17590.html) Tim Chown (https://www.ietf.	scope.	Tomek - DONE		
	p.7 Perhaps say here that DHCP can be initiated by the client when	org/mail-				
1.3	required, or triggered by a server through an authenticated Reconfigure message.	archive/web/dhcwg/current/ msg17590.html)	Add section 5.3 about server initiated Reconfigure	Bernie - DONE		
	p.9 Will this draft will be parked until the 2460-bis and 4291-bis documents are completed?					
	The language of the first paragraph in Section 3 is a little clumsy.					
	Is the well-known multicast address (ff05::1:3) in common use? I'm not aware of any sites using it, rather they manually configure dhop server					
	addresses in relays. The thinking on M/O flags in RFC4861 has moved on since 3315 was					
	written. I guess it still needs to be mentioned, but it says "compatibility with SLAAC is a design requirement of DHCP" and the evidence of draft-					
	ietf-v6ops-dhcpv6-slaac-problem-07 is rather to the contrary! (though not					
	sure what to say here it would be good to encourage more consistent behaviour - is there anything we can add to 3315bis to address the	org/mail- archive/web/dhcwg/current/	Bernie/Tim/Tomek - discussed 12/21 and we will ignore these			
3	issues raised in draft-ietf-v6ops-dhcpv6-slaac-problem-07?	msg17590.html)	issues. Try to reduce to use IPv6 (use	Ignore		
		Ties Observe (butters (butters (butters))	just IP as per definitions). And,			
		Tim Chown (https://www.ietf. org/mail-	just address[es] and IP[v6] prefix	(		
4.1	p.10 Should this say IP and DHCP or IPv6 and DHCPv6?	archive/web/dhcwg/current/ msg17590.html)	to just prefix (excepting titles of documents, etc.).	Bernie - DONE		
	p.18 Should this example explain behaviour for PD when there are					
	hierarchical routers within the site (as per RFC7368)? Or that where RAs are then issued by requesting routers their valid lifetime should be less	org/mail-	Ignore. This is an overview			
5.4	than the lifetime of the PD? (This and address examples are given in 17.1.10.1 which could be forward referenced)	archive/web/dhcwg/current/ msg17590.html)	section; text shows up in 17.1.10.1.	IGNORE		
	p.19 Is it worth adding a Section 5.6 here that briefly explains the renumbering case and use of Reconfigure messages? It would be nice to			Bernie - DONE		
	capture the work of 6RENUM here, and for the reader to appreciate that	Tim Chown (https://www.ietf.				
	support for renumbering is useful. I don't think Reconfigure is otherwise mentioned in Section 5. This could also warn against "infinite" lifetimes.	org/mail- archive/web/dhcwg/current/		renumber a network (see <xref< td=""><td></td><td></td></xref<>		
5.5	As might RFC4242.	msg17590.html)	to RFC 6879?	target="RFC6879"/>)."		
			In IANA Considerations, we need to have IANA update			
	p.19 Add a reference to the IANA Registry here? (http://www.iana. org/assignments/ipv6-multicast-addresses/ipv6-multicast-addresses.	Tim Chown (https://www.ietf. org/mail-	org/assignments/ipv6-multicast-			
6.1	xhtml). And again, is site-scope multicast in common use (compared to manual server configuration on relays)?	archive/web/dhcwg/current/ msg17590.html)	addresses/ipv6-multicast- addresses.xhtml.	Bernie - DONE		
	p.23 T1 and T2 are introduced here with no explanation of what they are.	Tim Chown (https://www.ietf.	-			
	Perhaps forward reference to relevant options in Section 20? It would also be good to repeat the warnings given later about infinite	org/mail- archive/web/dhcwg/current/	Add T1 (renewal) and T2 (rebind) times to terminology.			
6.6	lifetimes here.	msg17590.html)	See row 40.	Duplicate - see Row 40.		

Section	Comment	Source	Action	Assignee	Types	Color Code
8.1	p.25 There's many references to "site-scoped" (unicast) addresses in 3315bis. Should these not all be removed? Also, ULAs are Global scope, so not sure they should be differentiated here or not.	msg17590.html) Tim Chown (https://www.ietf.org/mail-	Done in other comment	Already done.		
Page 28	"Despite our best efforts" reads oddly.	archive/web/dhcwg/current/ msg17590.html)	Drop "Despite our best efforts, " Bernie - See ticket #162 as	Tim - Done		
10	p.31 The DUIDs are all explained here. But will 3315bis add any text for the RFC6939 model, whereby MAC addresses can be added as an option that relays will forward? There's growing implementation support for this (e.g. Cisco relays, ISC DHCP), and it's commonly requested by campus admins who I speak to. Or is this considered a "hack"? (RFC6939 is Standards Track, not Experimental)	Tim Chown (https://www.ietf. org/mail- archive/web/dhowg/current/ msg17590.html)	related. Encouraging use of the OPTION_CLIENT_LINKLAYER_ADDR [RFC6939] would be a good way to avoid needing to look into the DUID. Ticket #162 result was (Tomek & I think) to ease the restriction on looking "inside" the DUID. But the privacy issues might also mean that the DUID is less useful (as is the client mac address).	Bernie - Looks like someone		
12.1	p. 33 Perhaps add a pointer at the end of this section to RFC7824 and RFC7707 on address allocations from a DHCP pool, or point to discussion of these in Sections 21 and 22.	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	7824, and RFC 7707 as to possible considerations for how to generate (privacy) addresses.			
12.3	p.33 Perhaps add that the client may have an IA_NA and an IA_TA. It's an open question as to whether a client may do IA_TA only.	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html) Tim Chown (https://www.ietf.	to "at least one". We shouldn't be limiting number, especially for IA_TA	Bemie - DONE		
13.1	p.35 Maybe move the rate-limiting text (or replicate it) in Section 21.	org/mail- archive/web/dhcwg/current/ msg17590.html) Tim Chown (https://www.ietf.	Bernie / Tim - Ignore comment.	IGNORE		
17	p.43 Update reference to RFC2462 to RFC4862, but anyway I think the pointer should be to RFC4861 where the M/O flags are described? p.45 In the DISCUSSION, it may be worth clarifying whether RFC6939	org/mail- archive/web/dhcwg/current/ msg17590.html) Tim Chown (https://www.ietf.	Bernie / Tim - leave reference as is because we need reference to M/O bits.			
17.1	works via unicast; I recall it only works via a relay, which would be another reason to avoid unicast (if true, and you want to use RFC6939).	org/mail- archive/web/dhcwg/current/ msg17590.html)	Bernie / Tim - Ignore comment (text already covers relay agent options)	IGNORE		
17.1.10.1	p.60 There was discussion in 6man/v6ops about using a /64 from the delegated prefix for a site for numbering the uplink. I think Jordi's recent survey of ISPs showed this was more common than expected? So do we want to say MUST NOT assign here? (I have no strong feeling myself)	archive/web/dhcwg/current/	Bernie / Tim - See https://www. ietf.org/mail- archive/web/dhcwg/current/msg 17811.html	Bernie - DONE		
Page 61	There may be complexities here if a client gets other configuration info from both DHCPv4 and DHCPv6 esp. if it merges without noting the source of the options it prioritised.	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	Bernie / Tim - We feel this merging of DHCPv4 / v6 information is out of scope and not something we will cover in this document.	IGNORE		
17.2.9	p.74 Is the "server selection process" described somewhere? If so, cite it, if not, it probably should be? p.77 I'd arque that from current usage, the first paragraph should say	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	Bernie / Tim - We don't want to document this as it is up to clients and complex.	IGNORE	Bernie/Tim finished here on 12/7/2016	
18	something stronger about including unicast addresses, mirroring common practice, and limited (is there any?) use of the all-dhop-servers site-scope multicast address (ff05::1:3). Given a lot of work in the IETF on minimising use of multicast on links, do we want to say something stronger about not using the multicast site-scope WKA?	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	Update to use SHOULD for unicast, and MAY for multicast in the list.	I Tim - Done		
Section 18.1.1 and 18.1.2	p.78 Again, site-scope addresses mentioned three times on this page need to remove. "If not" should be "If no". ULAs are not mentioned here; these can be considered within Globals, or may be called out separately (but it emphasised that they are Global scope).	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html) Tim Chown (https://www.ietf. org/mail-	Bernie - Done (already addressed by earlier comments)	Bernie - Done		
20.4	Change "client contacts" to "client should contact" (x2) to mirror the text for the PD option?	archive/web/dhcwg/current/ msg17590.html)	Do change	Bernie - DONE		

Section	Comment	Source	Action	Assignee	Types	Color Code
Page 90	The "infinity" lifetime again mentioned here, with a health warning, but should we be stronger in language, as not least it kills renumbering. Worth a SHOULD NOT use infinite lifetime, so those doing it need to think about their specific reason to ignore that?	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	Move health warning to Section 6.6, and mention here to go read that if you want to put infinity in the T1/T2. Need to add something to IA_TA that server sHOULD NOT assign infinity.	Tim - Done		
	I'm not sure about the text here on requesting an extension to the lifetime for an IA_TA. WOuldn't the host simply deprecate the current temporary address (so it's still usable by an existing TCP session) and request a new preferred IA_TA? I had assumed DHCP worked the same as RAs here, e.g. generate a new temporary address every 24 hours, but keep the previous N addresses, in a deprecated state?  But does the DHCP server then need to keep state on the deprecated		Tomek/Tim/Bernie - we will add			
20.5	addresses to avoid reallocation to another host? Does that mean the host really needs to request N temporary addresses, and it's the host's job to choose which is preferred, with the DHCP server noting all those allocated (whether the host marks them deprecated or not)? (I may be overthinking this!:)	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	a sentence that servers SHOULD only extend the valid lifetime to leave the address as deprecated (but allow an existing connection to continue).	Tomek - Done		
20.6	Again a mention of infinite lifetimes - perhaps we need a separate section early on with the clear health warning, rather than replicating it each time? Not sure.	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	Point to the updated health warning in Section 6.6.	Tim - DONE		
			Clean this up so that it is more clear as to the impact. Also include Delegated Prefixes (or "leases"). Servers will commit, no one knows what client used. Has impact downstream on leasequery and other operations where someone wants to know			
20.14	Does it really matter in IPv6 that a handful of addresses may be committed by servers but not used by clients? Again this may be a good place to reference the address allocation strategies in RFC7824 and RFC7707, or forward reference to sections 21 and 22.	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html) Tim Chown (https://www.ietf.	what address client is using. Also DNS updates might be done and not all of those addresses are in use.	Bernie - DONE		
20.22	Does the PD option need a health warning on infinite lifetimes?	org/mail- archive/web/dhcwg/current/ msg17590.html)	Point to the updated health warning in Section 6.6.	Seems to have been done (was Tim - TODO).		
20.25	p.114 Maybe add it is useful for renumbering.	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msg17590.html)	Add a sentence explaining how info refresh time option is useful for renumbering, for detailed disucssion, see 4242	Tomek - Done		
21	"This threat model does not consider the privacy of the contents of DHCP messages to be important" - despite RFC7824?  Add a reference to RFC7707 on scanning attacks.	Tim Chown (https://www.ietf. org/mail- archive/web/dhcwg/current/ msq17590.html)	Already done in the 06 (probably from earlier comments)	Nothing to do.		
	· · · · · · · · · · · · · · · · · · ·	Tim Chown (https://www.ietf.	•	Tomek - Done (added informative reference as 7707 discusses issues with some allocation strategies and makes		
22	p.117 Move the para on scanning to section 21 and cite RFC7707. The "Deriving the IID" paragraph repeats advice in RFC7824.	org/mail- archive/web/dhcwg/current/ msg17590.html) Tim Chown (https://www.ietf.	Review 7707 and add a reference if there's significant value in doing so.	recommendation to avoid some. This is something vendors should be aware of.		
24	p.118 is ff05::1:3 obsolete? :)	org/mail- archive/web/dhcwg/current/ msg17590.html)	Not obsolete Nit	Nothing to do.		
		Tomek Mrugalski https: //www.ietf.org/mail-	Bernie - Might not really be such a small nit? H in DHCP is host (!). Let's discuss whether to			
Abstract	hosts => IPv6 nodes (as the PD is used by routers)  The text should mention requestor and leasequery mechanism.  One paragraph somewhere in the introduction with references to RFC5007,  RFC5460 and RFC7653 should do the trick. Maybe somewhere around the text	archive/web/dhcwg/current/ msg17591.html	make this change or how to address the issue.	Tim - Done		
	that mentions servers, clients and relays. If you think it's inappropriate to mention it that early, we can add one paragraph long section 1.6 that explains it and then point to that in Section 1.	Tomek Mrugalski https: //www.ietf.org/mail-	Bernie: I disagree. We don't need to mention every DHCPv6 RFC in this document.			
1	Need parentheses around section references in the last paragraph of Section 1.	archive/web/dhcwg/current/ msg17591.html	Discussed 2016-12-21: decided to not add extra reference.	Nothing to do.		

Section	Comment	Source	Action	Assignee	Types	Color Code
1.1	extensions published => extensions were published	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Nit	Bernie - Done (was done for earlier review comment)		
	seems to mention some more common exchanges (inf-req -> reply), (solicit -> reply), (renew -> reply). It does not mention others: (release -> reply), (rebind -> reply), (decline -> reply), (confirm -> reply). Maybe adding a text similar to: "There are other two message exchanges defined when the client and the server have established a relationship: to renew or rebind existing leases (renew					
1.4	and rebind messages), to release them (release message) or to inform the server that the address leased is being used by other devices (decline message)."?	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Add: "There are additional two message exchanges between the client and server described later in this document." to end of section.	; Bernie - Done		
	(4 messages exchanges) mentions Renewal mechanism. It shouldn't, because it's a 2 messages exchange.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/		Tomek - Review		
1.5	"Every interface has a link-local address." Is this still true these days? I recall some discussion on v6ops (or was it 6man?)	msg17591.html Tomek Mrugalski https: //www.ietf.org/mail-	Update text a bit	Bernie - Done		
4.1	about certain tunneling interfaces lacking link-local address. IIRC it was 6rd tunnel, but I may be wrong.	archive/web/dhcwg/current/ msg17591.html	Discussed on 2016-12-21: nothing do to.	Nothing to do.		
4.2	binding definition should mention prefixes in its first sentence.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Already updated from earlier review comments	Bernie - Done	Clarification	
	delegating router definition "responding to prefix request".  No such thing as prefix request is defined. Need to reword this one slightly.		Modify delegated router definition (please check).			
	'DHCP realm' this definition was used in Delayed Auth protocol, which is now removed. We should remove that definition as well.		DHCP realm was removed (see earlier review comment).			
	DUID definition - it mentions that each client and server has one. Do we want to mention that relays optionally may have one as well (see RFC5460)	Tamak Meraplaki https:	DUID definition - as RFC 5460 is not included, suggest we leave this alone.	S		
4.2	IA definition - "holds one type of address" => "holds one type of addresses or prefixes". I would also add "one IA may hold more than one address or prefix of the same type, e.g. multiple temporary addresses".	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	IA definition was updated earlier and this issue has already been addresses (please check).			
6	is called DHCP constants, but it does not contain the most frequently used constants - the option codes. I think there should be a pointer to Section 22, which defines the option codes, which are another type of constants.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Minor - add new section	Bernie - Done		
	request, renew, rebind, reply, release, inf-request	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/	Already updated from earlier	Dave		
6.3	descriptions should mention prefixes as well.  The link in section 6.4 is incorrect. Status codes are not defined in	msg17591.html Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwq/current/	review comments	Done.		
6.4	20.12, but in 20.13.	msg17591.html	Nit - fix link	Bernie - Done TOMEK - DONE Bernie - Changed "will" to "may" in 8.1 for link-address.	12/21 - Stopped review by Tomek/Tim/Bernie	
	link-address definition. "An address that will be used" => "An address that may be used". There are cases when it is not used, for example when the relay inserts interface-id or it's not the relay closest to the client.			I don't see a conflict for hop- count. 18.1.1 handles the case of relaying a client message		
8.1	What should be the hop-count set to when a relay forward client's message? Text in 8.1 suggests 1 ("Number of relay agents that have relayed this message", but text in 18.1.1 suggests 0 ("The hop-count in the Relay-forward message is set to 0.")	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msq17591.html	Action: Add a reference to 12.1, 18.1.1. Add "already" for hop- count definition. (done)	where the hop count is set to 0! 18.1.2 handles relaying relayed message (where hop count is set +1).	1/18 - Tomek/Bernie started review here	
J.,	and richary forward meddage to det to o. /	og .7 oo t.iidiii	coant acimiton. (done)			

Sec	ction	Comment	Source	Action	Assignee	Types	Color Code
10		I think we should remove this sentence: "Clients and servers MUST NOT in any other way interpret DUIDs.". This is a fiction that many servers are violating for very good reasons. Removing it would settle the issue raised in ticket #162. If you're not comfortable with removing it completely, maybe substituting it with "Servers MAY interpret DUIDs for policy, logging and other purposes, but MUST use the whole DUID to identify clients." would be better?  "DUID-LL MUST NOT be used by DHCP clients or servers that	Tomek Mrugalski https: //www.ietf.org/mail-	Done.	Bernie - I'd be in favor of changing this to "SHOULD NOT" rather than MUST NOT. I also think adding something about any link-layer address or other fields that were used to generate the DUID may have little to do with what the client is using today (i.e., the DUID may have been generated at some time in the past). If someone wants the real link-layer address, they should really be using RFC 6939 (Client link-layer address option) or extracting this from the packet's source-address (or peer-address field). But even those are likely going to be far less useful as more clients adopt the privacy techniques.		
		cannot tell whether or not a network interface is permanently attached to the device on which the DHCP client is running." I think we should replace MUST NOT with SHOULD NOT for couple reasons. First, with enough engineering time everything is replaceable. Second, with the advent of virtualization software (and virtualization-like techniques, like docker) it's increasingly difficult to say what is permanently attached	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/		Bernie - I'm OK with SHOULD		
10.	4	and what is not. Who knows what SDN will allows in couple years?	msg17591.html Tomek Mrugalski https:	Done.	NOT.	Assignee - Tomek. DONE	
11.	1	"The configuration information in an IA consists of one or more IPv6 addresses along with the times T1 and T2 for the IA." That's not true for IA_TA, which does not have T1/T2 timers.	//www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Done in other comment	Bernie - Done (Was already updated based on earlier review comment). Bernie - Done		
12.	1	could use a reference to ietf-dhc-topo-conf (currently in RFC-Ed queue).	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Reference	Added the following sentence to end of the 12.1 section: "See sreference- for a more detailed discussion on how servers determine a client's location on the network."  Bernie - Done (Already covered		
12.	3	Add "The same is true for IA_PD." after "The IAID number space for the IA_TA option IAID number space is separate from the IA_NA option IAID number space."	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Done in other comment	by earlier comments which removed that paragraph as this was already covered elsewhere and best not to repeat it unnecessarily.)		
		"sends DHCP messages to the All_DHCP_Relay_Agents_and_Servers." => "sends DHCP messages to the	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/				
13		All_DHCP_Relay_Agents_and_Servers multicast address." "the server still has the lease that was requested just	msg17591.html	Nit	Bernie - Done		
		previously" The word 'just' doesn't seem to fit there. The sentence should be rephrased.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/		Tomek - Review		
13.	1	"This loops can" => "This loop can"	msg17591.html	Nit	Bernie - Done Bernie - Done.		
14		"A client is not expected to listen for a response during the entire period between transmission of Solicit or Information-request messages." I would add " and may turn off listening capabilities after a certain time due to power consumption saving or other reasons."	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Clarification  Nothing to be done. Bernie	This pargraph now reads: "A client is not expected to listen for a response during the entire RT period and may turn off listening capabilities after a certain time due to power consumption saving or other reasons. Of course, a client MUST listen for a Reconfigure if it has negotiated for its use with the server."  Bernie - Is this really necessary. Text is about client generation of IDs, not server's?  Tomek - Why do you think it's about client generation? This is called "Use of transaction-ids" in		
15		Add this text: "The exception is Reconfigure message, which is sent by by the server and the transaction ID is set to zero."	//www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	convinced Tomek the text is good as it is.	"Message validation". There's nothing about it being scoped to clients only.		
							-

Section	Comment	Source	Action	Assignee	Types	Color Code
17	mentions that solicit exchange is called server discovery or server solicitation. Maybe we should stick to one name? "server discovery" phase has 5 occurrences, while "server solicitation" has only 4. Discovery seems to be also intuitively better understood by non-native speakers.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Nit	Bernie - Done		
	"When a client requests multiple IA option types" => "When a client requests multiple IA option types or multiple instances of the same IA types"	Tomek Mrugalski https: //www.ietf.org/mail-				
17.1	"this situation should be rare or a temporary operational error." => "this situation should be rare or a result of temporary operational error."	archive/web/dhcwg/current/ msg17591.html	Nit	Bernie - Done		
17.1.1	we need to reorder the text (basically move paragraph 7 further down, maybe after 9th paragraph). Currently the text says "the client MUST NOT include any other options" and the following paragraphs continue discussing which extra options to include. Technically the current text is correct (because of the except clause), but it's confusing.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17591.html	Done in other comment	Bernie - Done (this was already addressed by earlier review comment)		
17.1.1	replace "an Advertise message" with "a valid Advertise message that includes a Preference option with a preference value of 255", The same is true for the following text "If the first RT elapses and the client has received an Advertise message". And again in "If the client does not receive any Advertise message".	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msq17591.html	Nit	Bernie - Done (added a bunch o' valid in front of Advertise in this section).	f	
	Clarification: After "The client generates a transaction ID and inserts this value in the "transaction-id" field." add "This value is likely to be different than the one used in Solicit". I vaguely	Tomek Mrugalski https: //www.ietf.org/mail-	Discuss with Tim whether he has any insight from the client testing perspective. [TIM] - Windows currently uses the same transaction id as a single transaction (Apple, ISC, Solaris,	Discussed on 2017-02-15: Microsoft likes to keep their trans-id, but they reset Elapsed values back to zero on Request, Renew etc., so it's ok. Decision to not add any text as it would		
17.1.2	recall someone considering the whole solicit-adv-req-reply as a single transaction. We should clarify that these are two separate transactions The maximum time allowed to be specified in Elapsed is 655.35 seconds	archive/web/dhcwg/current/ msg17591.html	and a couple of CE Routers don't) No Interoperability.	suggest to others to do the same. Nothing to do.		
	The MAX_INF_RT and SOL_MAX_RT are 3600 seconds. What value should the client set in Elapsed option when transmitting after 655 seconds?	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/	Nothing. The last sentence in this section explains to use fffffff to represent greater values.			
General comment	The text doesn't specify that.	msg17591.html  Yogendra Pal https://www.		None - Done Ignore. (We have trimmed the usage of requesting/delegation		
1	>>delegating router can delegate prefixes to requesting routers [YP]Can we make document reflect the DHCPv6 client/server/relay instead of routers. Since Delegating entity can be any device in n/w.	ietf.org/mail- archive/web/dhcwg/current/ msg17592.html	Prefer to leave this as RFC 3633 is referenced here and uses this terminology	router significantly once we tell		
	>>Understanding a protocol which definition is	Yogendra Pal https://www.	Remove "Understanding a protocol whose definition is spread between a large number of documents is cumbersome. Furthermore, significant operational experience has been			
1.1	>>spread between large number of documents may be cumbersome.  [YP]Could not connect with this text, is there some typo or can be rephrased?	ietf.org/mail- archive/web/dhcwg/current/ msg17592.html	gained over the years and certain small elements of the protocol have been reworked."	Group - Review Bernie - Done		
	>>the client can obtain configuration information [YP]Not consistent with text "other configuration information" in many places in this section. Can be consistent w/ text "other configuration information".					
	>>This message includes an indication that the client is >>willing to accept an immediate Reply message from the server. YPI Can we update above text to:	Yogendra Pal https://www.	Change to use "other" configuration information.			
1.4	This message includes an indication (i.e. Rapid Commit option (see Section 20.14) that the client is willing to accept an immediate Reply message from the server.	ietf.org/mail- archive/web/dhcwg/current/ msg17592.html	Change to "the message includes an indication (the Rapid Commit option)".	Bernie - DONE		
	>>If the requesting router assigns a delegated prefix to a link to >>which the router is attached, and begins to send router >>advertisements for the prefix on the link, the requesting router MUST		Discuss with Tim as to whether UNH has any data to show whether this has been an issue.			
	>>set the valid lifetime in those advertisements to be no later than >>the valid lifetime specified in the IA_PD Prefix option. A >>requesting router MAY use the preferred lifetime specified in the >>IA_PD Prefix option.		Tomek feels we should add something about RA lifetimes but not make it normative (where to put TBD).			
	[YP] Addition of following text for adding operational experience to above:  Operator MUST configure requesting router with periodic RA lifetime to be less than preferred lifetime so that renewed prefix(s) can be advertised within limits	Yogendra Pal https://www.	Bernie feels that this should not be added, it is no different than how a router handles manually configured RA transmission times.	Discussed on 2017-02-15 (and		
5.4	and there is no operational traffic drop experience to subscribers.	archive/web/dhcwg/current/ msq17592.html	[Tim] Says This is really a 6MAN issue.			

Section	Comment	Source	Action	Assignee	Types	Color Code
1, para 6	"summarizes relation to" => "summarizes the relation to" "follow up extensions published" => "follow up extensions were published"	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Nit	Bernie - Already fixed (we use "summarizes the relationship to").		
	"Understanding a protocol which definition" => "Understanding a protocol whose definition" or "Understanding a protocol where the definition"					
	"between large number" => "between a large number"	0. 5				
	"Furthermore, a significant" => "Furthermore, significiant"	Shawn Routhier https://www. ietf.org/mail- archive/web/dhcwg/current/				
1.1, para 1	"definition of the DHCPv6 that" => "definition of DHCPv6"	msg17593.html	Nit	Tim - This has all been fixed.		
4.2, item lease	This is the only item that starts with "It is". It would be more consistent to simply have "An address assigned"	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Nit	Bernie - Updated already from earlier comment		
12.3, para 8	"provides such posibility" => "provides for such a possibility"	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Nit	Bernie - Done (earlier comment)		
12.0, para 0	provided dearn positioning — provided for addit a possitioning	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/		Define Done (cancil comment)		
13.1, Para 1	"This loops" => "These loops" or "This loop"	msg17593.html Shawn Routhier https://www.ietf.org/mail-	Nit .	Bernie - Done (earlier comment)		
13.2, Para 2	"Client MUST" => "The client MUST"	archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www.	Nit .	Bernie - Done (earlier comment)		
16.2, Para 1	"and mentioned" => "as mentioned"	ietf.org/mail- archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www.	Nit	Bernie - Done		
17 , Para 3	"The client does it by" => "The client does this by" "message and selects a server" => "message and selecting a server"	ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Nit	Bernie - Done (earlier comment)		
17.2, Para 2	"A server sends Advertise message" => "A server sends Advertise messages"	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Nit	Bernie - Done (earlier comment)		
17.2, Para 7	"message as indicated by the as indicated by the" => "message as indicated by the"	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Nit	Bernie - Done (earlier comment)		
17.2, Pala 7	"back to the client may useful using" => "back to the client may be useful	Shawn Routhier https://www.ietf.org/mail-		bernie - Done (eanier comment)		
17.2.1 Para 6	during"	msg17593.html Shawn Routhier https://www.ietf.org/mail-	Nit .	Bernie - Done (earlier comment)		
17.2.9, para 3	"by the client during server selection process" => "by the client during the server selection process"	msg17593.html Shawn Routhier https://www.	Nit	Bernie - Done		
17.2.9 para 6	"(IA_NA or IA_IA)" => "(IA_NA or IA_TA)"	ietf.org/mail- archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www. ietf.org/mail-	Nit .	Bernie - Done (earlier comment)		
18.1.1 para 1	"If not addresses of" => "If no addresses"	archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www.	Nit	Bernie - Done (earlier comment)		
20.7, para 3	"or the will not be sent" => "or they will not be sent" "MUST NOT by in the" => "MUST NOT be in the"	ietf.org/mail- archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www.	Nit	Bernie - Done (earlier comment)		
		ietf.org/mail- archive/web/dhcwg/current/				
20.17, para 7	"Severs only" => "Servers only"	msg17593.html	Nit	Bernie - Done		

Section	Comment	Source	Action	Assignee	Types	Color Code
3, para 1 and para 5	This section mentions 2136 should it also include some of 4701, 4703, 4704?	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Removed text.	Bernie - Dropped 2136 altogehter.		
6.6	Should that be unsigned 32 bit integers?	Shawn Routhier https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	done	Bernie - Done		
11.1	This section is titled as "Identity Assocaitions for Address Assignemnt" which implies it handles both IA_NAs and IA_TAs but it describes an IA as including T1 and T2 and references 20.4 which is only for IA_NAs.	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Done in other comment	Bernie - Done (earlier comment)		
11.2	In Section 11.1 para 3 mentions that each address in an IA has a preferred and valid lifetime. Why isn't there a similar paragraph for prefixes?	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Done in other comment	Bernie - Done (earlier comment)		
17.1.2	Should the client be restricted to send basically the same options in a request as it did in the original solicit?	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Bernie - While I would expect that to be common practice, not sure that we need to enforce it. So, I'd be inclined NOT to say this (if we said anything, I would make it a SHOULD be the same). Tim - I'm also in favor of not saying anything, as the person who end up trying to enforce this.	Ignore.		
17.1.3	Bullet item 1 - If the client is rebooting it doesn't really matter if it has stable sorage or not.	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html		Bernie - Huh? If it has no stable storage, it would not send a Confirm. Tim- I agree this can be ignored.		
17.1.4, last para	The description of what to do on timeout in a reconfigure situation is unclear. It reads as if a reconfigure should trigger renew messages until such time as rebinds should be sent. But the text also says reconfigure is handled differently.	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Tomek/Bernie - We feel this text is clear enough.	Ignore.		
17.2.4 para 3	"This paragraph has "if the server chooses to include the IA address or IA prefix option for such an address or delegated prefix, the server SHOULD set T1 and T2 to the valid lifetime for the IA option" This appears to say that T1 & T2 should be equal to the valid lifetime. Is that really what was desired? or should it be something like "set T1 and T2 based on the value of the valid lifetime"?	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msq17593.html	Bernie - This is exactly what we intended.  Add explanation for this ("to avoid packet storm as remaining lifetime approaches 0")	Tomek - Done. (clarification added in 18.3.4)		
17.2.10	This seems an odd place for this text. It would seem that it would be better before 17.2.9 as before that are the sections that generate replies then 17.2.9 generates advertise messages.	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www.	Clarification	Ignore.		
18.1.1, para 1 18.1.2 para 3	I thought site-scoped addresses were killed some time ago. Is this being left in for historical reasons?	ietf.org/mail- archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www.	Done in other comment	Bernie - Already done from earlier comments.		
20.6, para 5	Given that the server is ignoring the lifetimes and T1 and T2 already I'm not sure that ignoring them in special circumstances is useful but I suppose it's not harmful.	ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Done in other comment	Bernie - Already done from earlier comments.		
20.21	IAID - In the descriptions of IAID for IA_NA and IA_TA the text specifies that they are from differnet name spaces. I assume that IA_PD is from a third namespace. It might be useful to mention that.	Shawn Routhier https://www. ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Done in other comment	Bernie - Already done from earlier comments.		
20.21 para 6	The text states that the delegating router MUST use the values in T1 and T2. Should that be the requesting router? Or is this trying to say that the delegating router must use them to control the requesting router, in which case the text is confusing.	msg17593.html	ignore? We are dropping T1/T2 hints from clients (requesting routers) in 3315bis.	Bernie - OK as is.		
20.21 para 8	As with section 20.6 I find this paragraph somewhat redundant but mostly harmless.	Shawn Routhier https://www.ietf.org/mail- archive/web/dhcwg/current/ msg17593.html Shawn Routhier https://www.	no change	Bernie - OK as is.		
20.22 para 5	the delegating router is already ignoring lifetimes and T1 and T2	ietf.org/mail- archive/web/dhcwg/current/ msg17593.html	Done in other comment	Bernie - Already done from earlier comments.		

Section	Comment	Source	Action	Assignee	Types	Color Code
				Tomek - TODO - Change must to MUST in indicated text.		
				Bernie - DONE - Changed		
				section 2 text about RFC 2119		
				The key words "MUST", "MUST		
				NOT", "REQUIRED", "SHALL",		
				"SHALL NOT", "SHOULD", "SHOULD NOT",		
	Keywords from RFC 2119 are not consistent throughout the document.			"RECOMMENDED", "MAY", and "OPTIONAL" in this document		
	For example, I saw quite a few "must"s that were not capitalized. i.e.			are to be interpreted as described in [RFC2119] when		
	"The motivation for having more than one type of DUID is that the DUID must be globally unique, and must also be easy to generate".			they appear in ALL CAPS. When these words are not in		
	The IAID uniquely identifies the IA and must be chosen to be unique	Michayla Newcombe https:	See assginee. We will ignore	ALL CAPS (such as "should" or "Should"), they have their usual		
	among the IAIDs for that IA type on the client.	//www.ietf.org/mail- archive/web/dhcwg/current/	RFC referncing issue as not in key areas and RFC Editor will	English meanings, and are not to be interpreted as [RFC2119]		
General Comment	Not all RFC references are linked.	msg17594.html	standardize anyway.	key words.		
		Michayla Newcombe https:	(Bernie) I think this usage is fine. We use ID when we're defining			
	Inconsistent use of "Unique Identifier". "Unique IDentifier" is used is some	//www.ietf.org/mail- archive/web/dhcwg/current/	DUID and UUID to indicate where ID comes from in the			
General Comment	references.	msg17594.html Michayla Newcombe https:	definition.	Ignore		
	The lifetime of the assigned temporary address is set in the IA Address	//www.ietf.org/mail-				
12.3	Option (see Section 20.6) with in the IA_TA option.  Small typo: "within the IA_TA option".	archive/web/dhcwg/current/ msg17594.html	Nit	Bernie - Done		
	In other words, client should behave as if it never received this option at all and return to whatever default state regarding that configuration	Michayla Newcombe https: //www.ietf.org/mail-				
17.1.10.1	information was. Small typo: "In other words, the client"	archive/web/dhcwg/current/ msg17594.html	Nit	Bernie - Done (was a previous issue)		
		· ·		Bernie - No, this is lower case reply as in Advertise and Reply		
		Michayla Newcombe https:		messages. Packet size issues		
	In most reply messages, the server includes options containing configuration information for the client.		Nit - Done (replaced "reply" with			
17.2	Small typo: "In most Reply messages"	msg17594.html Michayla Newcombe https:	responses).	"responses" then.		
	Sending this option back to the client may useful using server selection process.	//www.ietf.org/mail- archive/web/dhcwg/current/		Bernie - Done (was a previous		
17.2.1	Small typo: "Sending this option back to the client may be useful"	msg17594.html	Nit	issue)		
	The server MAY assign different addresses and/or delegated prefixes to an IA than included in the IA within the Request message sent by the					
	client.	Michayla Newcombe https:				
	This reads a little confusing maybe "The server MAY assign different addresses and/or delegated prefixes to an IA than those included within	//www.ietf.org/mail- archive/web/dhcwg/current/	Rewording			
17.2.2	the IA of the client's Request message".  If not addresses of other scopes are available the relay agent may fill in	msg17594.html Michayla Newcombe https:		Bernie - Done		
	the link-address field with a link-local address from the interface the	//www.ietf.org/mail-		Pornio Dono (was a previewe		
18.1.1	original message was received on. Small typo: "If no addresses"	archive/web/dhcwg/current/ msg17594.html	Done in other comment	Bernie - Done (was a previous issue)		
	Other top-level Options MUST appear in the Option Request option or the will not be sent by the server.					
	Only container options MUST appear in the Option Request, options encapsulated in the container MUST NOT by in the Option Request, see					
	[RFC7598] as an example of container options. Small typo: "Other top-level Options MUST appear in the Option Request	Michayla Newcombe https:				
	option or will not be sentoptions encapsulated in the container MUST NOT be in the Option Request, see [RFC7598] as an example of			Bernie - Done (was a previous		
20.7	container options."	msg17594.html	Done in other comment	issue)		
	The document would be clearer with if Requesting Router/Delegating	Timothy Winters https: //www.ietf.org/mail-				
General Comment	Router were updated to Client/Server. Since many IETF documents are moving to this model.	archive/web/dhcwg/current/ msg17595.html	Bernie - Already being addresses	Bernie - Done		
						_

Section	Comment	Source	Action	Assignee	Types	Color Code
				Needs team consensus to determine appropriate changes!		
				Bernie: How about we just add to the end of the paragraph: "However, this delay is NOT REQUIRED when DHCP is initiated because of a unicast Router Advertisement." (Or something close to that.)		
				It also seems appropriate to me to replace "IPv6 Neighbor Discovery" with "a multicast Router Advertisement" and "invoke the stateful address autoconfiguration protocol" with "invoke DHCP".		
				(It is a router advertisement that can trigger DHCP, and we've already said earlier that DHCP is the stateful address configuration protocol - see section 6.2 (-06 draft).)		
	Section 17.1.1 following text should probably be removed?  In the case of a Solicit message transmitted when DHCP is initiated by IPv6 Neighbor Discovery, the delay gives the amount of time to wait after IPv6 Neighbor Discovery causes the client to invoke the stateful address autoconfiguration protocol (see section 5.5.3 of [RFC4862]). This random delay desynchronizes clients which start at the same time (for example, after a power outage)."	Timothy Winters https:	See comments from Jinmei which are similar to this.  Tim W we should refer to 2462.	One issue with this change might be that lots of unicast RAs could be sent in a very short time (such as after a power recovery) and leaving the additional delay could be benefical. Also, it may not be easy for the DHCP client to		
Section 17.1.1	Text was for RFC 2462, which had M flag text. Probably should be removed with the updated RFC 4861.	//www.ietf.org/mail- archive/web/dhcwg/current/ msg17595.html Timothy Winters https:	Add something about this delay is NOT applicable to Unicast RAs (only Multicast).	determine why it was initiated.		
13.2	13.2 for T1/T2 seems out of place as T1 and T2 are later defined. Suggest moving it to 17.1.	//www.ietf.org/mail- archive/web/dhcwg/current/ msg17595.html	To be addressed in other issue (see line 40)	None	01/18: ended here.	
17.1.1 (18.2.1 in git)	The text says "The first Solicit message from the client on the interface MUST be delayed by a random amount of time between 0 and SOL_MAX_DELAY." This mechanism was defined to avoid packet storm after a network recovers from blackout, but it makes no sense when booting wireless device. We should make an exception for wireless devices here.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html Tomek Mrugalski https:	turned to SHOULD, added an explanation when it is critical to do this	Tomek - Done.	2/1/2017 - Started review here	
		//www.ietf.org/mail- archive/web/dhcwg/current/				
17.1.10.1	in order avoid ⇒> in order to avoid	msg17619.html  Tomek Mrugalski https:	Nit	Bernie - Already done.  Bernie - This is a reference to 17.0. Removed "duplicated" text and just left it as "performs server solication, as described in		
17.1.10.3	The references look odd "the client performs DHCP server solicitation, as described in Section 17, and client-initiated configuration, as described in Section 17." More specific sections should be referenced. "The client SHOULD include a Client Identifier option to identify itself to the server. If the client does not include a Client Identifier option, the server will not be able to return any client-specific options to the client, or the server may choose not to respond to the message at all. "It would be better to use MAY. I'm also not fond of the text that says the server may not respond at all. This is especially important from the privacy context.	//www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html	Rewording	section 17." Also, reworked paragraph to put the "success" case first.		
	THere may be clients that protect their privacy, don't want to reveal their client-id and expect to get only basic configuration options, like DNS servers information.		Bernie - I think SHOULD is OK; I think if use MAY most clients will not include and that may harm other cases where privacy is			
	This is also in conflict with text in 17.2.6 ("the server SHOULD respond").  Note that draft-ietf-dhc-sedhcpv6 draft relies on anonymous		either not a concern or seDHCPv6 is not in use.	Bernie - I changed this sentence to read "The client SHOULD		
	information-requests when bootstrapping encryption.		Bernie - Also the text is may	include a Client Identifier option to identify itself to the server		
17.1.6	As such, I think the text about server dropping the message should be removed.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html	drop message and I think that is perfectly reasonable for a server	target="RFC7844"/> for reasons		

Section	Comment	Source	Action	Assignee	Types	Color Code
17.2, third paragraph 17.2.1 17.2.2	"In most instances, the server will send a Reply in response to a Request, Confirm, Renew, Rebind, Decline and Information-request messages sent by a client." Add Release here.  What should the server do when it receives a unicasted Solicit? There's no text for sending back UseMulticast status for Solicit, but there are for other message types.  "send a Request message for those addresses." Add "or prefixes".  "may useful using server selection process." => "may be useful during the server selection process."  The last paragraph in 17.2.1 is confusing. The text needs to emphasize somehow that the paragraph only applies to case when rapid-commit was sent. Maybe we could move the rapid-commit response paragraphs to a separate sub-section?  "and a Status Code option containing status code NoAddrsAvail.". The text should be clarified as to whether send this status option within IA or as top level option.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html  Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html  Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html	comment (text moved earlier).	Bernie - Already done from earlier comment.  Bernie - Changed "addresses" to "leases".  Bernie - Done. Improved the IA, PD text as well to match addresses case.	Bernie - I REMOVED this added paragraph for now. See https://github. com/dhcwg/rfc3315bis/commit/e5e386f7ec17ec16e ec0a4c9b2f1a7446e11100e	
17.2.5 (18.3.5 in git)	There's no text for unicast Rebind and sending UseMulticast. Sending unicasted rebind is wrong on so many levels BTW.  "Therefore, the server SHOULD only create new bindings during processing of a Rebind message if the server is configured to respond with a Reply message to a Solicit message containing the Rapid Commit option." I disagree with this text. Responding to Solicit with rapid-commit and creating lease when responding to Rebind are two similar scenarios, but they're not the same. I can certainly see deployments that would want to deploy only one or the other, but not both. For specific example, there's one server that does not support rapid commit. The server crashed and lost its database. The server is restarted with empty database, but it knows there are clients in various Renew/Rebind stages and it know it's the only server in the network. There should be a way to recreate the leases (at least those that clients still attempt to rebind) without enforcing clients go get new ones.  To conclude, I think the sentence should be removed completely.	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhowg/current/ msg17619.html	1. Add UseMutlicast - added 2. Clarify that the should only create text was added so clients won't request new leases in rebind (7550 clarification).  Server recovery should be allowed (add a text that explains it) - text added.  3. Review of text added in #2 needed.  Check if this is the only place missing, If yes, add UseMutlicast text, if not, propose text	Tomek wrote paragraph in 18.3.5 (Receipt of Rebind messages), review needed.	Tomek - TODO - needs discussion / update from review  Bernie - REVIEWed Changes:  - I don't understand the text added at the end of the paragraph before the next text that reads: "This restriction aims to eliminate the clients to request new leases in Rebind. See Section 4.4 of [RF-C7550] for detailed discussion." What part of Section 4.4 (4.4.x?) is this referring to and why is this "aims to eliminate" needed? I don't follow what this means and why it is needed?  - Typo - Rebing should be Rebind Use of n't and other contractions should be avoided. Spell out Typo - moticeable should be noticeable And, "Sole server"in that case, why isn't Rapid Commit allowed and why is this "special circumstances" text even needed? So, can we remove it?  Tomek - yes, text removed.	
17.2.6 (18.3.6 in git) 20.7 (21.7 in git)	There's no text for unicast Information-request and sending back UseMulticast. I can some reasons why we may allow that behavior, so I don't insist strongly on adding such text, but maybe we need to have some explanatory text when unicasted Information-request is ok and when it's not.  I saw quite a few client messages that request Preference and Rapid-Commit options in their Solicit messages. I suspect that by saying that the client MUST NOT request it will make many clients non-conformant.  "the container MUST NOT by in the Option Request" => "the container MUST NOT be in the Option Request"	Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html  Tomek Mrugalski https: //www.ietf.org/mail- archive/web/dhcwg/current/ msg17619.html	restructuring, so there's a common text for all messages. Make sure it's clear that Rebind is always multicast. Tomek - removed repeating text, added 18.4 (Reception of Unicast Messages) and added references to it.  Bernie - "by in the" was already fixed from earlier comments.  I think the not in ORO is OK as they do no harm if present; the server is required to add them already (as per protocol).  Tomek: can we replace MUST NOT with SHOULD NOT to not break down compliance.	Tomek - Done Tim - Done. Bernie and Tim decided to leave the MUST NOT as that is proper behavior for clients and servers should generally ignore these if in ORO. We want clients to be fixed, so leave MUST.  If anything is changed here, please review table (Table 1) in section 24 (IANA).		

Section	Comment	Source	Action	Assignee	Types	Color
				Bernie - Closed ticket as spot checking several of the issues shows they have been addressed.		
				mcr - (review issues in ticket 163, add to this document as		
General	Addess open tickets (only #163 left) - Address Michael's comments	https://trac.tools.ietf. org/group/dhcpv6bis/report/1	will take option to apply fix if appropriate	new outstanding issues or fix in document)		
General	Search IANA for references to obsoleted RFCs and update IANA Considerations to have references changed to this new RFC.			Bernie - Done		
			List all commenters. Tomek checked and added several missing names. Commenters who are authors were not			
Acknowledgement	Put all the commentors in the acknowledgment Section.		acknowledged.	Tomek - Done		
				Tomek - TODO (add more text in section 6 and 12).		
			Add some text about this in the introductory material. Section 12	Bernie - Decided to add a sentence to end of section 6.2.		
			(Identity Association). Add sentence to 1.2 (new 2nd in 1st	Might not be enough as there were other issues in that email.		
	See https://www.ietf.org/mail-archive/web/v6ops/current/msg25372.html as there are perahps some misconceptions on how DHCPv6 works. We	Bernie Volz (Tim Winters wrote "I think we may want	paragraph) - one key difference is v4 does one address/client			
General	should update the document to provide more details on how clients can obtain multiple addresses, perhaps also detailing that the client need not start at the server discovery step for each new binding?	to clearly document the	where as v6 is designed to support many addresses (or prefixes).	Tomek - added new section 6.6 "Multiple Addresses and Prefixes".		
			Tim to propose some text and circulate to the team. Perhaps			
	Per IETF-98 and other debate on DHCPv6 vs RA DNS, we should add		make a new 18.2.12 section about this issue. This will			
	text to 18.2.6 and perhaps elsewhere to clarify that a client SHOULD refresh its Information-Request options under conditions similar to those		certralize the conditions under a client should initiate			
nformation Refresh Time	for Confirm. Perhaps we should consider adding a new section on "When a Client Needs to Refresh"?	Tim & Bernie - discussed on 4/12/2017		Tim - TODO.		
			Reference draft-ietf-dhc-relay- server-security instead of detailing IP-sec usage in this document. This impacts the section 20, 20.1, and 22 (as well			
Psec	See IESG Discusses - consider just referencing new relay-server- security draft		as reduces number of references).	Bernie - DONE.		
Failover	Should we add a pointer to RFC8156 (DHCPv6 failover)? It's in RFC-ed queue: https://www.rfc-editor.org/authors/rfc8156.txt		10.000,000	- DO.I.I.O - DO.I.E.		
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		2016-11-23	3	84		

2017-01-11

2017-01-18

2017-02-01

2017-02-15 2017-03-01

2017-03-11

2017-04-19

56

44

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29

15 (based on TODOs found)

10

I hid the rows that are already done. To unhide them, select rows

Hidden rows are easy to spot as they're marked with little arrows

right click and on the row number and click unhide rows.

on the row numbers.