



Canadian Standards Association
Mississauga, Ontario
To the Part I Committee

Subject No. 3130

Chair: R. Leduc

Date: December 24, 2003

Title: Receptacles in Residential Occupancies, Rules 26-710, 26-712, 26-720, 26-722 and 26-726

Submitted by: Ted Olechna of Electrical Safety Authority on July 9, 2003.

Proposal: Amend Rules 26-710, 26-712, 26-720, 26-722 and 26-726 as follows:

Proposal 1.

Receptacles in Residential Occupancies

26-710 General (see Appendices B and G)

This Rule applies to receptacles in all residential occupancies (including dwelling units and single dwellings) as follows:

(b) For the purposes of this Rule, all receptacles shall be CSA Configuration 5-15R ~~or except that receptacles having~~ CSA Configuration 5-20RA ~~shall be permitted provided that the ampere rating of the branch circuit wiring supplying such receptacles is not less than 20 A~~ (see Diagram 1); and

Rationale:

Move the requirement for 20 A wiring for 5-20RA to new clause 26-720(f). This puts the 15 splits at the same level as the 20 T-slot

(d) Where ~~split~~ receptacles are installed on a side of a counter work surface in a kitchen designed for use by persons with disabilities, such receptacles shall not be considered as substituting for the receptacles required by Rule 26-712(d) ; and

Proposal 2.

26-712 Receptacles in Dwelling Units (see Appendices B and G)

This Rule applies to receptacles in dwelling units (including single dwellings) as follows:

(d) In dwelling units there shall be installed in each kitchen:

(i) One receptacle for each refrigerator; and

(ii) Where a gas supply piping or a gas connection outlet has been provided for a free-standing gas range, one receptacle behind the intended gas range location not more than 130 mm from the floor and as near midpoint as is practicable, measured along the floor line of the wall space intended for the gas range; and

(iii) ~~Except as permitted by Rule 26-726,~~ a sufficient number of split receptacles or duplex receptacle having a CSA Configuration 5-20RA along the wall behind counter work surfaces (excluding sinks, built-in equipment, and isolated work surfaces less than 300 mm long at the wall line) so that no point along the wall line is more than 900 mm from a receptacle measured horizontally along the wall line; and

(iiix) At least one split receptacles or duplex receptacle having a CSA Configuration 5-20RA shall be installed at each island counter space with a long dimension of 600 mm or greater and a short dimension of 300 mm or greater; and

(iiixx) At least one split receptacles or duplex receptacle having a CSA Configuration 5-20RA shall be installed at each peninsular counter space with a long dimension of 600 mm or greater and a short dimension of 300 mm or greater. A peninsular countertop is measured from the connecting edge; and

Rationale:

(In (iii) the requirement is for 15A splits or 20 T-slot installed in the same clause this will clear up confusion as to the requirements. The addition of islands and peninsulas in kitchen is required as these are being installed. If these are big enough then they shall be required to have a receptacle. The basis of the requirements are from NEC 210.52(C).)

(iv) At least one duplex receptacle in a dining area forming part of a kitchen; and

(e) The receptacles specified in Paragraph (d) shall not be located:

(i) On the area of the wall directly behind the kitchen sink; or

(ii) On the area of the counter directly in front of the kitchen sink, ~~where receptacles are installed on a side of a counter work surface as permitted by Rule 26-710(d);~~ and

Rationale:

with the inclusion of islands and peninsulas this requirement should be applied to these installations as well

Proposal 3.

Branch Circuits in Residential Occupancies

26-720 General

This Rule applies to branch circuits in all residential occupancies (including dwelling units and single dwellings) as follows:

(f) The ampere rating of the branch circuit wiring supplying CSA Configuration 5-20RA receptacles shall be not less than 20 A

Rationale:

see note 26-71(b)

Proposal 4.

26-722 Branch Circuits in Dwelling Units

This Rule applies to branch circuits in dwelling units (including single dwellings) as follows:

(b) Except as may be permitted by Paragraphs (c) and (d) ~~and Rule 26-726~~, at least two ~~multi-wire~~ branch circuits, shall be provided for receptacles installed ~~for along the wall of~~ kitchen counters ~~work surfaces~~ of dwelling units in accordance with Rule 26-712(d)(iii), ~~26-712(d)(iiix), and 26-712(d)(iiixx)~~ and:

Rationale:

With the inclusion of island and peninsula the specific requirements for behind the counter wall space does not apply any more as this you have other locations. As well by stating two branch circuits implies that one can install multi-wire or 20A or a combination.

(i) No more than two ~~split~~ receptacles shall be connected to a ~~multi-wire~~ branch circuit; and

Rationale:

By eliminating the word split states that you require not more than two receptacles , split or T-slot per branch circuit

(ii) No other outlets shall be connected to these circuits; and

~~(iii) Adjacent receptacles shall not be connected to the same multi-wire branch circuit; and~~

Rationale:

The adjacency requirement should be dropped, as it is not based on a safety requirement. If you limit two receptacles per branch circuit and a minimum of two branch circuits, then where the appliances are plugged in is a choice of the consumer. Most consumers are not aware of the adjacency requirement and place the appliances as they see fit in the kitchen.

(c) Notwithstanding Paragraph (b), where the provisions of 26-712(d)(iii) require only one receptacle, only one ~~multi-wire~~ branch circuit need be provided; and

Rationale:

If the kitchen counter is that small then the appliances that are used will be minimum as well. Either a split circuit or 20 A should be acceptable.

(d) Notwithstanding Paragraph (b), connection to a ~~multi-wire~~ branch circuit of receptacles identified in Rule 26-710(d) shall be permitted, even though the circuit already supplies two ~~split~~ receptacles; and

Rationale:

By deleting the multi-wire makes the clause general which will permits split or 20 A T-slot.

Proposal 5.

~~**26-726 Alternative to Split Receptacles and Multi-Wire Branch Circuits in Kitchens (see Appendix B)**~~

~~(1) Notwithstanding Rules 26-712(d)(iii) and 26-722(b), it shall be permitted to provide a duplex receptacle having a CSA Configuration 5-20RA in lieu of each split receptacle required along the wall of a kitchen counter work surface, provided that:~~

~~(a) Not less than two branch circuits are provided; and~~

~~(b) The ampacity of the branch circuit conductors is not less than 20 A; and~~

~~(c) The rating of the overcurrent device protecting each branch circuit is 20 A.~~

~~(2) Not more than two of the duplex receptacles described in Subrule (1) shall be connected to one 20 A branch circuit.~~

~~(3) Adjacent receptacles shall not be connected to the same branch circuit.~~

~~(4) The 20 A branch circuits described in Subrule (1) shall not supply any other outlet.~~

Rationale:

This rule can be deleted as the requirements are incorporated in the general section.

Supporting Information:

Background info from NEC

210-52

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(3) Kitchen Receptacle Requirements. Receptacles installed in a kitchen to serve countertop surfaces shall be supplied by not fewer than two small-appliance branch circuits, either or both of which shall also be permitted to supply receptacle outlets in the same kitchen and in other rooms specified in 210.52(B)(1). Additional small-appliance branch circuits shall be permitted to supply receptacle outlets in the kitchen and other rooms specified in 210.52(B)(1). No small-appliance branch circuit shall serve more than one kitchen.

(C) Countertops. In kitchens and dining rooms of dwelling units, receptacle outlets for counter spaces shall be installed in accordance with 210.52(C)(1) through (5).

(1) Wall Counter Spaces. A receptacle outlet shall be installed at each wall counter space that is 300 mm (12 in.) or wider. Receptacle outlets shall be installed so that no point along the wall line is more than 600 mm (24 in.) measured horizontally from a receptacle outlet in that space.

(2) Island Counter Spaces. At least one receptacle outlet shall be installed at each island counter space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater.

(3) Peninsular Counter Spaces. At least one receptacle outlet shall be installed at each peninsular counter space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater. A peninsular countertop is measured from the connecting edge.

(4) Separate Spaces. Countertop spaces separated by range tops, refrigerators, or sinks shall be considered as separate countertop spaces in applying the requirements of 210.52(C)(1), (2), and (3).

(5) Receptacle Outlet Location. Receptacle outlets shall be located above, but not more than 500 mm (20 in.) above, the countertop. Receptacle outlets rendered not readily accessible by appliances fastened in place, appliance garages, or appliances occupying dedicated space shall not be considered as these required outlets.

Chair’s Comments:

This proposal deals with several issues:

- a) Combining 15 A split and 20 A T-slot requirements. There’s a perception that the Code implies the split receptacle installation in kitchens as a preferred method of installation over the use of the 20 A circuit and the 5-20RA receptacles. Both methods are acceptable and should be given equal considerations.
- b) Requiring receptacles at islands and peninsulas. The Code is silent on this and as a result there is inconsistency on the availability of receptacles in these situations.
- c) Eliminating the ‘adjacency’ requirement. Currently the Code requires that adjacent receptacles for kitchen counters be on different branch circuits whether it’s the 15 A split or the 20 A T-slot.

To assist the Subcommittee, the Chair proposes dealing with one item at a time and resolving that item before moving on to the next. A 3-column document for item a) is intended to make it easier for the Subcommittee members to compare the proposal to existing requirements. The Chair has also introduced some editorial changes in an effort to clarify or simplify specific requirements. The 1st column shows the existing requirements, the 2nd column is the submitter’s proposal and the 3rd column gives the submitter’s rationale. The Chair’s comments and editorial suggestions are shown in the 2nd and 3rd columns using the ‘track changes’ (strikeout/underline) feature.

Item a) Combining 15 A split and 20 A T-slot Requirements.

Existing Requirements	Proposal <u>with Chair’s suggestions</u>	Rationale / <u>Chair’s additional comments</u>
<p>26-710 General (see Appendices B and G) This Rule applies to receptacles in all residential occupancies (including dwelling units and single dwellings) as follows: For the purposes of this Rule, all receptacles shall be CSA Configuration 5-15R except that receptacles having CSA Configuration 5-20RA shall be permitted provided that the ampere rating of the branch circuit wiring supplying such receptacles is not less than 20 A (see Diagram 1); and ... Where split receptacles are installed on a side of a counter work surface in a kitchen designed for use by persons with disabilities, such receptacles shall not be considered as substituting for the receptacles required by Rule 26-712(d); and</p>	<p>(b) For the purposes of this Rule, all receptacles shall be CSA Configuration 5-15R or CSA Configuration 5-20RA <u>(T-slot</u> €see Diagram 1); and</p> <p>(c) ...</p> <p>(d) Where receptacles <u>(15 A split or 20 A T-slot)</u> are installed on a side of a counter work surface in a kitchen designed for use by persons with disabilities, such receptacles shall not be considered as substituting for the receptacles required by Rule 26-712(d); and</p>	<p>Move the requirement for 20 A wiring for 5-20RA to new clause 26-720(f). This puts the 15 splits at the same level as the 20 T-slot. <u>The term “T-slot” is added because reference to the term is made in subsequent Rules. The term is well understood by industry.</u></p> <p><u>By removing the word “split”, and adding the bracketed (15 A split or 20 A T-slot), the reference to receptacles applies to either method.</u></p>

Existing Requirements	Proposal <u>with Chair's suggestions</u>	Rationale / <u>Chair's additional comments</u>
<p>26-712 Receptacles in Dwelling Units (see Appendices B and G) This Rule applies to receptacles in dwelling units (including single dwellings) as follows:</p> <p>(d) In dwelling units there shall be installed in each kitchen:</p> <p>...</p> <p>...</p> <p>Except as permitted by Rule 26-726, a sufficient number of split receptacles along the wall behind counter work surfaces (excluding sinks, built-in equipment, and isolated work surfaces less than 300 mm long at the wall line) so that no point along the wall line is more than 900 mm from a receptacle measured horizontally along the wall line; and</p>	<p>(d) In dwelling units there shall be installed in each kitchen:</p> <p>(i) ...</p> <p>(ii) ...</p> <p>(iii) A sufficient number of split <u>receptacles or duplex receptacles having a CSA Configuration 5-20RA (15 A split or 20 A T-slot)</u> along the wall behind counter work surfaces (excluding sinks, built-in equipment, and isolated work surfaces less than 300 mm long at the wall line) so that no point along the wall line is more than 900 mm from a receptacle measured horizontally along the wall line; and</p>	<p>In (iii) the requirement is for 15 A splits or 20 T-slot installed in the same clause this will clear up confusion as to the requirements. <u>Alluding to receptacles with the bracketed (15 A split, and 20 A T-slot) is editorially equivalent to the proposal. I see it as 'easier reading' for the code user.</u></p>
	<p>26-720 General This Rule applies to branch circuits in all residential occupancies (including dwelling units and single dwellings) as follows:</p> <p>(e) ...; and</p> <p>(f) The ampere rating of the branch circuit wiring supplying CSA Configuration 5-20RA shall be not less than 20 A.</p>	<p>See Note 26-710(b)</p> <p><u>This requirement moved from 26-710(b) is more appropriately located here.</u></p>
<p>26-722 Branch Circuits in Dwelling Units This Rule applies to branch circuits in dwelling units (including single dwellings) as follows:</p> <p>(a) ...; and</p> <p>(b) Except as may be permitted by Paragraphs (c) and (d) and Rule 26-726 at least two multi-wire branch circuits shall be provided for receptacles installed along the wall of kitchen counter work surfaces of dwelling units in accordance with Rule 26-712(d)(iii) and:</p> <p>(i) No more than two split receptacles shall be connected to a multi-wire branch circuit; and</p> <p>(ii) No other outlets shall be</p>	<p>26-722 Branch Circuits in Dwelling Units This Rule applies to branch circuits in dwelling units (including single dwellings) as follows:</p> <p>(a) ...; and</p> <p>(b) Except as may be permitted by Paragraphs (c) and (d), at least two branch circuits shall be provided for receptacles <u>(15 A split or 20 A T-slot)</u> installed for kitchen counters of dwelling units in accordance with Rule 26-712(d)(iii) and:</p> <p>(i) No more than two receptacles shall be connected to a branch circuit; and</p> <p>(ii) No other outlets shall be connected to these circuits;</p>	<p>By stating two branch circuits implies that one can be multi-wire or 20A or a combination. <u>Adding the bracketed (15 A split or 20 A T-slot) after receptacles reinforces the equality of the two wiring methods and emphasizes that 15 A receptacles would need to be split thus requiring a multi wire branch circuit.</u></p> <p>By eliminating the word split states that you require not more than two receptacles, split or T-slot per branch circuit. <u>We will deal with the adjacency requirement in a future round of deliberations.</u></p>

Existing Requirements	Proposal <u>with Chair's suggestions</u>	Rationale / <u>Chair's additional comments</u>
<p>connected to these circuits; and (iii) Adjacent receptacles shall not be connected to the same multi-wire branch circuit; and (c) Notwithstanding Paragraph (b), where the provisions of Rule 26-712(d)(iii) require only one receptacle, only one multi-wire branch circuit need be provided; and (d) Notwithstanding Paragraph (b), connection to a multi-wire branch circuit of receptacles identified in Rule 26-710(d) shall be permitted, even though the circuit already supplies two split receptacles; and</p>	<p>and (iii) Adjacent receptacles shall not be connected to the same branch circuit; and (c) Notwithstanding Paragraph (b), where the provisions of Rule 26-712(d)(iii) require only one receptacle <u>(15 A split or 20 A T-slot)</u>, only one branch circuit need be provided; and (d) Notwithstanding Paragraph (b)(i), connection to a branch circuit of receptacles identified in Rule 26-710(d) shall be permitted <u>to be connected to those receptacles required by Rule 26-712(d)(iii)</u>, even though the circuit already supplies two receptacles; and</p>	<p>If the kitchen counter is that small then the appliances that are used will be minimum as well. Either a split circuit or a 20 A should be acceptable.</p> <p>By deleting “multi-wire” makes the clause general which will permit split or 20 A T-slot. <u>Paragraph (d) is further edited to more precisely describe the intent.</u></p>
<p>26-726 Alternative to Split Receptacles and Multi-Wire Branch Circuits in Kitchens (see Appendix B) (1) Notwithstanding Rules 26-712(d)(iii) and 26-722(b), it shall be permitted to provide a duplex receptacle having a CSA Configuration 5-20RA in lieu of each split receptacle required along the wall of a kitchen counter work surface, provided that: (a) Not less than two branch circuits are provided; and (b) The ampacity of the branch circuit conductors is not less than 20 A; and (c) The rating of the overcurrent device protecting each branch circuit is 20 A. (2) Not more than two of the duplex receptacles described in Subrule (1) shall be connected to one 20 A branch circuit. (3) Adjacent receptacles shall not be connected to the same branch circuit.</p>	<p>Deleted</p>	<p>This Rule can be deleted as the requirements are incorporated in the general section.</p>

Existing Requirements	Proposal <u>with Chair's suggestions</u>	Rationale / <u>Chair's additional comments</u>
(4) The 20 A branch circuits described in Subrule (1) shall not supply any other outlet.		

Subcommittee Deliberations (1st Round)

9 of 14 members responded all in favour of the proposal as laid out by the Chair.

One member commented on his concern for requiring receptacles for “moveable islands”. The S/C will deal with that item in the next Round.

Another member suggested that we should consider requiring a minimum number of circuits rather than a minimum number of outlets. Thus for a certain counter length we would require say three circuits. We would still require receptacles with a minimum distance apart but would not limit two receptacles per circuit. The Chair rules these comments to be non-germane since it goes beyond the original proposal. I suggest that this may be dealt with under a new subject.

The Chair declares consensus for this part of the proposal dealing with

- a) Combining 15 A split and 20 A T-slot requirements to make them equal in terms of their applicability.

Chair's Comments (for the 2nd Round)

Members will recall the proposal to deal with this subject in 3 parts. We have completed and reached consensus on the first part. Now the S/C will deal with the 2nd and 3rd part in 2 separate tables below:

Item b) Requiring receptacles at islands and peninsulas.

Existing Requirements	Proposal <u>with Chair's suggestions</u>	Rationale / <u>Chair's additional comments</u>
26-712 Receptacles in Dwelling Units (see Appendices B and G) This Rule applies to receptacles in dwelling units (including single dwellings) as follows:	26-712 Receptacles in Dwelling Units (see Appendices B and G) This Rule applies to receptacles in dwelling units (including single dwellings) as follows:	

<p>(d) In dwelling units there shall be installed in each kitchen:</p> <ul style="list-style-type: none"> (i) ... (ii) ... (iii) ... <p>(iv) At least one duplex receptacle in a dining area forming part of a kitchen; and</p> <p>(e) The receptacles specified in Paragraph (d) shall not be located:</p> <ul style="list-style-type: none"> (i) On the area of the wall directly behind the kitchen sink; or (ii) On the area of the counter directly in front of the kitchen sink, where receptacles are installed on a side of a counter work surface as permitted by Rule 26-710(d); and <p>(f) ...</p>	<p>(d) In dwelling units there shall be installed in each kitchen:</p> <ul style="list-style-type: none"> (i) ... (ii) ... (iii) ... (iv) At least one split receptacles or duplex receptacle having a CSA Configuration 5-20RA (15 A split or 20 A T-slot) shall be installed at each <u>permanently fixed</u> island counter space with a long dimension of 600 mm or greater and a short dimension of 300 mm or greater; and (v) At least one split receptacles or duplex receptacle having a CSA Configuration 5-20RA (15 A split or 20 A T-slot) shall be installed at each peninsular counter space with a long dimension of 600 mm or greater and a short dimension of 300 mm or greater. A peninsular countertop is measured from the connecting edge; and (vi) At least one duplex receptacle in a dining area forming part of a kitchen; and <p>(e) The receptacles specified in Paragraph (d) shall not be located:</p> <ul style="list-style-type: none"> (i) On the area of the wall directly behind the kitchen sink; or (ii) On the area of the counter directly in front of the kitchen sink; and <p>(f) ...</p>	<p>The addition of islands and peninsulas in kitchen is required as these are being installed. If these are big enough then they shall be required to have a receptacle. The basis of the requirements are from NEC 210.52(C).</p> <p><u>Minor editorial changes are proposed to remain consistent with the approach taken in the 1st round deliberations</u></p> <p><u>Clause 12.3 of Appendix B requires that explanatory notes be located in an Appendix and Clause 12.22 only allows one sentence per Rule, Subrule Paragraph or Clause. Therefore, the second sentence in Paragraph (v) is deleted and the following Appendix B note is added:</u></p> <p><u><i>A peninsular countertop is measured from the connecting edge.</i></u></p> <p>with the inclusion of islands and peninsulas this requirement should be applied to these installations as well. <u>The submitters proposed removal of “where receptacles are installed on a side of a counter work surface as permitted by Rule 26-710(d)” seems appropriate, and makes the paragraph less wordy.</u></p>
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<p>26-722 Branch Circuits in Dwelling Units This Rule applies to branch circuits in dwelling units (including single dwellings) as follows:</p> <p>(a) ...</p> <p>(b) Except as may be permitted by Paragraphs (c) and (d) and Rule 26-726 at least two multi-wire branch circuits shall be provided for receptacles installed along the wall of kitchen counter work surfaces of dwelling units in accordance with Rule 26-712(d)(iii) and:</p>	<p>26-722 Branch Circuits in Dwelling Units This Rule applies to branch circuits in dwelling units (including single dwellings) as follows:</p> <p>(a) ...</p> <p>(b) Except as may be permitted by Paragraphs (c) and (d), at least two branch circuits shall be provided for receptacles (15 A split or 20 A T-slot) installed for kitchen counters of dwelling units in accordance with <u>Clauses (iii), (iv) and (v) of Paragraph (d),</u> Rule 26-712(d)(iii) and:</p>	<p>With the inclusion of island and peninsula the specific requirements for behind the counter wall space does not apply any more as this you have other locations. As well by stating two branch circuits implies that one can install multi-wire or 20A or a combination.</p>
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Item c) Eliminating Adjacency Requirement

Existing Requirements	Proposal with Chair's suggestions	Rationale / Chair's additional comments
<p>26-722 Branch Circuits in Dwelling Units</p> <p>(a) ...</p> <p>(b) ...</p> <p>(i) ...</p> <p>(ii) ...</p> <p>(iii) Adjacent receptacles shall not be connected to the same multi-wire branch circuit; and</p>	<p>26-722 Branch Circuits in Dwelling Units</p> <p>(a) ...</p> <p>(b) ...</p> <p>(i) ...</p> <p>(ii) ...</p> <p>(iii) Deleted</p>	<p>The adjacency requirement should be dropped, as it is not based on a safety requirement. If you limit two receptacles per branch circuit and a minimum of two branch circuits, then where the appliances are plugged in is a choice of the consumer. Most consumers are not aware of the adjacency requirement and place the appliances as they see fit in the kitchen.</p>

Subcommittee members are requested to respond by indication whether they agree with the submission (including chair's comments) as it pertains to:

- b) Requiring receptacles at islands and peninsulas, and
- c) Eliminating the adjacency Rule

Subcommittee Deliberations (2nd Round)

1. With regards to the survey question pertaining to "requiring receptacles at islands and peninsulas", 10 members responded all in favour of the proposal including comments by the Chair. There were a couple of comments concerning installation methods where there is no back wall for the receptacle that could perhaps be addressed in an Appendix B note.
2. With regards to the survey question pertaining to the "elimination of the adjacency rule", 9 members responded, 6 in favour and 3 opposed. The main reason for those opposing the elimination of the adjacency requirement was a concern of overloading circuits and the resulting nuisance tripping. One member suggested that the potential overloading is a safety concern.

Chair's Comments (2nd Round)

In response to the advice for an Appendix B note, the chair agrees that it may have some value but suggests this could be a new subject if deemed necessary. Rule 26-710(c) sets the requirement for not permitting receptacles to be "...mounted facing up on counter work surfaces" leaving the installer to find existing products that would be acceptable mounted on a counter or mounting the receptacle on sides of the counter (which the proposal does not prevent).

In response to those members opposing the adjacency rule, the Chair refers to the submitter's original rationale (found on page 3):

The adjacency requirement should be dropped, as it is not based on a safety requirement. If you limit two receptacles per branch circuit and a minimum of two branch circuits, then where the appliances are plugged in is a choice of the consumer. Most consumers are not aware of the adjacency requirement and place the appliances as they see fit in the kitchen.

The Chair also refers to the submitter's comments made in the last round of deliberations:

We should concentrate on the Safety aspect, consumers do not know of the adjacency requirements, and therefore place appliances as they see fit. The safety aspect is that there is proper branch circuit provisions no matter which configuration you have. The NEC has no adjacency provision and I have heard no one trying to change.

Because the user is generally unaware that adjacent receptacles are on different circuits, there is no assurance that the user will not overload the circuit regardless of whether the receptacles are adjacent or not. In any case, safety is mitigated by the overcurrent protection. The Chair therefore concludes the negative votes to be non-persuasive and declares consensus on this subject.

Subcommittee Recommendation:

1. Amend Rule 26-710 to read as follows:

26-710 General (see Appendices B and G)

This Rule applies to receptacles in all residential occupancies (including dwelling units and single dwellings) as follows:

- (a) ...; and
- (b) For the purposes of this Rule, all receptacles shall be CSA Configuration 5-15R ~~except that receptacles having CSA Configuration 5-20RA shall be permitted provided that the ampere rating of the branch circuit wiring supplying such receptacles is not less than 20 A~~ or CSA Configuration 5-20RA (T-slot) [see Diagram 1]; and
- (c) ...; and
- (d) Where ~~split~~ split receptacles (15 A split or 20 A T-slot) are installed on a side of a counter work surface in a kitchen designed for use by persons with disabilities, such receptacles shall not be considered as substituting for the receptacles required by Rule 26-712(d); and
- (e) ...

2. Amend Rule 26-712 to read as follows:

26-712 Receptacles in Dwelling Units (see Appendices B and G)

This Rule applies to receptacles in dwelling units (including single dwellings) as follows:

- (a) ...; and
- (b) ...; and
- (c) ...; and
- (d) In dwelling units there shall be installed in each kitchen:
 - (i) ...; and
 - (ii) ...; and

- (iii) ~~Except as permitted by Rule 26-726, a~~ sufficient number of ~~split~~-receptacles (15 A split or 20 A T-slot) along the wall behind counter work surfaces (excluding sinks, built-in equipment, and isolated work surfaces less than 300 mm long at the wall line) so that no point along the wall line is more than 900 mm from a receptacle measured horizontally along the wall line; and
- (iv) At least one receptacle (15 A split or 20 A T-slot) installed at each permanently fixed island counter space with a long dimension of 600 mm or greater and a short dimension of 300 mm or greater; and
- (v) At least one receptacle (15 A split or 20 A T-slot) installed at each peninsular counter space with a long dimension of 600 mm or greater and a short dimension of 300 mm or greater; and
- ~~(iii)~~(vi) At least one duplex receptacle in a dining...
- (e) The receptacles specified in Paragraph (d) shall not be located
 - (i) ...; and
 - (ii) On the area of the counter directly in front of the kitchen sink, ~~where receptacles are installed on a side of a counter work surface as permitted by Rule 26-710(d);~~ and
- (f) ...

3. Amend Rule 26-720 to read as follows:

26-720 General

This Rule applies to branch circuits in all residential occupancies (including dwelling units and single dwellings) as follows:

- (a) ...; and
- (b) ...; and
- (c) ...; and
- (d) ...; and
- (e) ...; and
- (f) The ampere rating of the branch circuit wiring supplying receptacles with CSA Configuration 5-20RA shall be not less than 20 A.

4. Amend Rule 26-722 to read as follows:

26-722 Branch Circuits in Dwelling Units

This Rule applies to branch circuits in dwelling units (including single dwellings) as follows:

- (a) ...; and
- (b) Except as may be permitted by Paragraphs (c) and (d), ~~and Rule 26-726~~ at least two ~~multi-wire~~ branch circuits shall be provided for receptacles (15 A split or 20 A T-slot) installed along the wall off for kitchen counters work surfaces of dwelling units in accordance with Rule 26-712(d)(iii) Sub-paragraphs (iii), (iv), and (v) of Rule 26-712(d), and:
 - (i) No more than two ~~split~~-receptacles shall be connected to a ~~multi-wire~~-branch circuit; and
 - (ii) No other outlets shall be connected to these circuits; ~~and~~
 - ~~(iii) Adjacent receptacles shall not be connected to the same multi-wire branch circuit; and~~
- (c) Notwithstanding Paragraph (b), where the provisions of Rule 26-712(d)(iii) require only one receptacle, only one ~~multi-wire~~-branch circuit need be provided; and
- (d) Notwithstanding Paragraph (b)(i), ~~connection to a multi-wire branch circuit of~~ receptacles identified in Rule 26-710(d) shall be permitted to be connected to those receptacles required by Rule 26-712(d)(iii), even though the circuit already supplies two split receptacles; and
- (e) ...

5. Delete Rule 26-726 entirely.

6. Add the following Appendix B note:

26-712(d)(v) *A peninsular countertop is measured from the connecting edge.*