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40 2. Relevance and Timeliness

41 DRNCDS represent a significant and increasing global public health challenge as outlined in the
42 accompanying Discussion Paper. There is growing evidence that DRNCD risk is influenced not
43 only by individual nutrients, but also by broader dietary patterns, food groups, and
44 characteristics of the food matrix within the context of the overall diet.

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46 Current Codex approaches for nutritional risk assessment primarily focus on individual
47 nutrients. However, national and regional authorities are developing food based dietary
48 guidelines, nutrient profiling systems, and food classification approaches that incorporate
49 broader food characteristics, such as formulation, processing, and dietary context. These
50 approaches differ considerably in aspects of terminology, scientific rigor, and application,
51 creating possible future challenges for international harmonization and trade. The development
52 of a risk-analysis approach for evaluating DRNCD risk by food category and sub-categories by
53 CCNFSDU would provide a mechanism to reduce the potential for DRNCD driven regulatory
54 trade barriers, particularly for small and medium sized Food Business Operations (FBOs) by
55 enabling a harmonized mechanism for member countries and organizations to assess the
56 impact of DRNCD risk for the importation of those food categories.

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58 Recent discussions within the Codex Alimentarius Commission and related Codex committees
59 have addressed the growing international interest in science-based approaches to evaluate the
60 relationship of food to DRNCD risk. Yet at present, there is no internationally harmonized
61 framework for considering DRNCD risk at the level of food categories or dietary patterns.

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63 There is a need for CCNFSDU to evaluate whether existing Codex risk analysis principles for
64 nutrients have the potential to be adapted or expanded to support science-based and
65 internationally harmonized approaches for assessing DRNCD risk associated with food
66 categories and patterns of consumption.

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68 3. Main Aspects to be Covered

69 The proposed work would evaluate current Codex risk analysis principles and CCNFSDU
70 frameworks for nutrient-related risk analysis to determine their adaptability for DRNCD risk
71 assessment within food categories and subcategories in the context of dietary patterns and
72 multidimensional factors.

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74 The work would include consideration of:

- 75 • Scientific evidence linking dietary patterns and food groups with DRNCD risk

- 76 • Methodological approaches for evaluating relationships between food categories and
77 DRNCD risk in the context of the overall diet
- 78 • The role of multidimensional factors that may influence DRNCD risk, including:
 - 79 ○ Food composition and matrix
 - 80 ○ Food formulation and processing
 - 81 ○ Dietary patterns, frequency, and quantity of consumption
 - 82 ○ Population variability and susceptibility
 - 83 ○ Food environment, accessibility, and cultural practices.
- 84 • Potential applicability of existing Codex food category systems (i.e., GSFA/CXS 192-1995)
85 to be adapted for DRNCD risk analysis as well as other risk analysis frameworks and tools
86 used among Codex committees.
- 87 • Heterogeneity in food categories and the importance of avoiding assumptions of
88 uniform health effects across all foods within a category
- 89 • Transparent, flexible, and adaptable approaches that can evolve with scientific evidence
90 and different dietary contexts.

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92 The proposed work would consider how existing Codex risk analysis approaches, including
93 hazard identification, hazard characterization, exposure assessment, and risk characterization
94 may provide a structured foundation for evaluating relationships among food categories, dietary
95 patterns of consumption, and DRNCD outcomes.

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97 The proposed CCNFSDU work output eventually would lead to guidance text to help member
98 states and organizations apply the Codex DRNCD risk analysis approach within national
99 regulatory frameworks, using the risk assessment and management considerations developed
100 through this work. The guidance text would likely reside in the CCNFSDU Risk Analysis
101 procedural section, with references to relevant appendices, and include a food category risk
102 management tool. This tool could incorporate factors identified by the CCNFSDU and be utilized
103 or referenced in other requirements or guidance from other Codex committees, such as the
104 Codex Committee on Food Additives (CCFA) and/or the Codex Committee on Food Labeling
105 (CCFL) or others as appropriate.

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112 **4. Assessment Against Criteria for Establishment of Work Priorities**

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114 General criterion

115 The proposed work would support consumer health protection and ensure fair practices in the
116 food trade by exploring science-based and internationally harmonized approaches for
117 evaluating DRNCD risk associated with food categories and subcategories.

118

119 Criteria applicable to general subjects

120 *a) Diversification of national legislation and apparent resultant or potential impediments to*
121 *international trade.*

122 National and regional authorities are developing food based dietary guidelines, nutrient
123 profiling systems, healthy diet indices, and food classification approaches aimed at assessing
124 DRNCD risk. These approaches differ in terminology, scientific rigor, and application. In the
125 absence of internationally harmonized approaches, increasing divergence in national and
126 regional approaches may contribute to inconsistent regulatory interpretations and possible
127 barriers to food trade. The outcomes from the proposed work would support greater scientific
128 consistency and transparency in any subsequent work to develop relevant frameworks,
129 guidelines or tools, developed based on existing Codex risk analysis principles, methods or
130 frameworks, that could be adapted to assess DRNCD risk associated with food categories used
131 by Codex.

132

133 *b) Scope of work and establishment of priorities between the various sections of the work.*

134 The scope of the proposed work is limited to the evaluation of methodologies and potential
135 development of a framework which could be used by CCNFSDU and member countries and
136 organizations to consider DRNCD risk associated with food categories and subcategories in the
137 context of overall dietary patterns and multidimensional factors.

138

139 *c) Work already undertaken by other international organizations in this field and/or suggested*
140 *by the relevant international intergovernmental bodies.*

141 Multiple international organizations and national authorities are evaluating food-based
142 approaches to DRNCD prevention, including nutrient profiling systems, dietary health indices,
143 dietary pattern guidance, and food classification systems. Recent discussions in the Codex
144 Alimentarius Commission also noted increasing international interest in science-based,
145 harmonized approaches related to DRNCD risk.

146

147 The proposed work differs from existing approaches by focusing on whether the existing Codex
148 risk analysis and food category approaches and methodologies could be adapted to support

149 transparent, science-based, and internationally harmonized assessment of food-related DRNCD
150 risk.

151

152 d) Amenability of the subject of the proposal to standardization.

153 The proposed work is amenable to standardization because it focuses on adapting and
154 integrating previously established Codex methodologies, principles, and scientific approaches
155 for risk analysis for the purpose of DRNCD risk analysis at the level of food categories. Codex
156 frameworks already exist to apply risk analysis approaches within the food-related domain,
157 including contaminants, additives, and nutrient-based DRNCD risk assessments.

158

159 e) Consideration of the global magnitude of the problem or issue.

160 DRNCDs are among the leading causes of morbidity and mortality globally, with dietary factors
161 representing a major contributor to disease burden. As a result, DRNCD risk within the context
162 of foods and dietary patterns is a key public health issue that needs to be addressed globally. It
163 is particularly important to develop globally harmonized guidance that provides flexibility to
164 consider factors such as regional and cultural dietary differences in food category consumption.

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166 **5. Relevance to Codex Strategic Objectives**

167 The proposed work supports Codex objectives related to consumer health protection, science-
168 based standards, and international harmonization. The proposed work is aligned with the
169 following key 2026-2031 Codex Strategic Objectives:

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171 **Strategic Goal 1:** Respond to Members' needs for protecting the health of consumers and
172 ensuring fair practices in the food trade in an evolving global landscape by developing science-
173 based standards and related texts.

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175 The proposed work addresses the growing global burden of DRNCDs and increasing
176 international interest in food-based dietary approaches. The proposed work could also ensure
177 fair trade by setting harmonized standards rather than a myriad of national and regional
178 regulations that could limit trade.

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180 **Strategic Goal 2:** Enhance Codex work management systems and practices that support the
181 effective and efficient development of standards and related texts.

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183 The proposed work would build upon existing Codex risk analysis principles and frameworks
184 currently being applied across nutrition, contaminants, additives, and food hygiene committees
185 to explore more aligned methodological approaches for DRNCD risk assessment related to
186 foods.

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188 **Strategic Goal 3:** Strengthen relationships with relevant international organizations, promoting
189 a coordinated approach to address global challenges. Specifically, goal 3.2: Gaps in approaches
190 to addressing global challenges that Codex could contribute to are identified through targeted
191 engagement with relevant international organizations, by identifying a major gap around
192 Codex’s ability to address a significant global challenge around food drivers of DRNCDs.

193

194 The proposed work is aligned with ongoing international efforts related to dietary guidance,
195 nutrient profiling, and food classification systems relevant to DRNCD prevention. It would
196 support internationally harmonized principles while still recognizing different regional dietary
197 contexts and public health priorities.

198

199 **Strategic Goal 4:** Maximize the impact of Codex by increasing the visibility and use of standards.
200 Specifically goals 4.1 and 4.3: The profile and recognition of Codex as the international food
201 standards setting body for protecting consumer health and ensuring fair practices in food trade
202 is enhanced; harmonization through the increased use of Codex texts in establishing national
203 food control systems and regulations.

204

205 Development of internationally recognized methodological approaches for evaluating DRNCD
206 risk associated with food categories and dietary patterns could elevate science and promote
207 harmonization across member countries and international food systems. The work may also
208 inform DRNCD research efforts going forward.

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210 **6. Relationship to Existing Codex Texts**

211 The proposed work would complement and extend existing Codex texts on dietary risk
212 assessment and management.

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214 CCNFSDU, working in concert with the Codex Committee for Food Labeling (CCFL), incorporated
215 risk analysis principles into the development of two nutrient-specific DRNCD risk nutrient
216 reference values for intake levels not-to-exceed for Saturated Fatty Acids and Sodium (CAC/GL-
217 1985 3.4.4.2). The proposed work would not replace these nutrient-based approaches but rather
218 explore opportunities to expand or adapt this approach to food categories and subcategories and
219 dietary patterns. The proposed work encompassing food category definition for DRNCD risk could
220 be integrated into the planned CCFA revision of the Food Categories tied to GSFA/CXS 192-1995.

221

222 7. Requirement for Expert Scientific Advice

223 The development of the proposed work may require expertise from multiple disciplines
224 including, but not limited to:

- 225 • food science
- 226 • nutrition science
- 227 • agriculture
- 228 • public health
- 229 • epidemiology
- 230 • clinical research
- 231 • biostatistics
- 232 • behavioral science
- 233 • food analysis

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236 8. Proposed Timeline

237 Start date and Scoping Phase 2026-2027

238 Codex Step 1: 2027-2028

239 Adoption: Codex Step 5/8: 2032-2033

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241 9. Resource Implications

242 The proposed work will require contributions from:

- 243 • FAO/WHO (existing data collation and feedback)
- 244 • FAO/WHO convening of a joint expert consultation on DRNCD Risk Analysis leveraging
245 JEMNU or a special scientific consultation body such as recent ones on Food Allergens or
246 Antimicrobial Resistance.
- 247 • Member countries, organizations, and observers (information and scientific/technical
248 resources)
- 249 • Codex Secretariat support (coordination and documentation).

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