

# Use of Investigational Tobacco Products

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## Guidance for Industry and Investigators

### *DRAFT GUIDANCE*

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For questions regarding this draft guidance, contact the Center for Tobacco Products at (Tel) 1-877-CTP-1373 (1-877-287-1373) Monday-Friday, 9 a.m. – 4 p.m. EDT.

Additional copies are available online at <http://www.fda.gov/TobaccoProducts/GuidanceComplianceRegulatoryInformation/default.htm>. You may send an e-mail request to [SmallBiz.Tobacco@fda.hhs.gov](mailto:SmallBiz.Tobacco@fda.hhs.gov) to receive an electronic copy of this guidance. You may send a request for hard copies to U.S. Food and Drug Administration, Center for Tobacco Products, Attn: Office of Small Business Assistance, 10903 New Hampshire Ave., Silver Spring, MD 20993.

**U.S. Department of Health and Human Services  
Food and Drug Administration  
Center for Tobacco Products**

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# Use of Investigational Tobacco Products

## Guidance for Industry and Investigators<sup>1</sup>

*This draft guidance, when finalized, will represent the current thinking of the Food and Drug Administration (FDA or Agency) on this topic. It does not establish any rights for any person and is not binding on FDA or the public. You can use an alternative approach if it satisfies the requirements of the applicable statutes and regulations. To discuss an alternative approach, contact the FDA staff responsible for this guidance as listed on the title page.*

### I. INTRODUCTION

Section 910(g) of the Federal Food, Drug, and Cosmetic Act (FD&C Act) (21 U.S.C 387j(g)) gives FDA the authority to issue regulations to exempt tobacco products intended for investigational use from the requirements of Chapter IX of the FD&C Act, including premarket submission requirements. To date, FDA has not issued such regulations, and consequently investigational tobacco products are not exempt from FD&C Act requirements, including premarket submission requirements. This draft guidance describes FDA's current thinking regarding the definition of "investigational tobacco product" and discusses the kind of information FDA intends to consider in making enforcement decisions regarding the use of investigational tobacco products until regulations are issued and become effective or FDA provides written notice of its intent to change its enforcement policy. FDA has issued two other draft guidances that discuss investigational tobacco products: *Applications for Premarket Review of New Tobacco Products* (September 2011); and *Modified Risk Tobacco Product Applications* (March 2012). When finalized, this guidance will reflect FDA's most detailed recommendations on the use of investigational tobacco products.

FDA's guidance documents, including this guidance, do not establish legally enforceable responsibilities. Instead, guidances describe the Agency's current thinking on a topic and

<sup>1</sup> This guidance was prepared by the Office of Science and Office of Regulations in the Center for Tobacco Products (CTP) at FDA.

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35 should be viewed only as recommendations, unless specific regulatory or statutory  
36 requirements are cited. The use of the word *should* in Agency guidances means that  
37 something is suggested or recommended, but not required.

38 **II. BACKGROUND**

39

40 Section 910(g) of the FD&C Act states:

41

42 The Secretary may exempt tobacco products intended for investigational  
43 use from the provisions of this chapter under such conditions as the  
44 Secretary may by regulation prescribe.

45

46 FDA intends to propose regulations establishing conditions for exempting investigational  
47 tobacco products from certain FD&C Act requirements. Until then, investigational  
48 tobacco products are *not* exempt from applicable FD&C Act requirements, including  
49 premarket submission requirements and tobacco product standards.

50

51 Section 910 of the FD&C Act requires premarket review of new tobacco products. A  
52 product is a “new tobacco product” within the meaning of section 910(a)(1) of the FD&C  
53 Act if:

54

- 55 • it was not commercially marketed in the United States as of February 15, 2007;<sup>2</sup>  
56 or
- 57 • it was commercially marketed in the United States as of February 15, 2007, but  
58 the product was modified and commercially marketed after February 15, 2007.

59

60 “Modification” under section 910(a)(1)(B) includes a change in “design, any component,  
61 any part, or any constituent, including a smoke constituent, or in the content, delivery, or  
62 form of nicotine, or any other additive or ingredient” of a tobacco product.

63

64 To introduce, or deliver for introduction into interstate commerce, a new tobacco product,  
65 there must be in effect a marketing authorization order issued by FDA for the tobacco  
66 product under section 910(c)(1)(A)(i) of the FD&C Act<sup>3</sup> unless:

67

- 68 • the manufacturer has submitted a substantial equivalence report for the tobacco  
69 product under section 905(j) of the FD&C Act (21 U.S.C. 387e(j)) and obtained

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<sup>2</sup> FDA’s Draft Guidance for Industry: *Establishing that a Tobacco Product was Commercially Marketed in the United States as of February 15, 2007* (<http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM334750.pdf>) discusses determinations that a tobacco product was commercially marketed in the United States on February 15, 2007.

<sup>3</sup> FDA’s Draft Guidance for Industry: *Applications for Premarket Review of New Tobacco Products* (<http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM273425.pdf>) discusses the submission process for premarket tobacco product applications.

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- 70 from FDA a substantial equivalence order under section 910(a)(2)(A)(i) of the  
71 FD&C Act;<sup>4</sup>
- 72 • the manufacturer has submitted under 21 CFR 1107.1 a request for an exemption  
73 of the tobacco product from the requirement to obtain a substantial equivalence  
74 order, FDA has granted the exemption request, and the manufacturer has made the  
75 required submission under section 905(j)(1)(A)(ii) of the FD&C Act and waited  
76 90 days before introducing its product to the market;<sup>5</sup> or
  - 77 • the manufacturer has submitted a substantial equivalence report in accordance  
78 with section 910(a)(2)(B) of the FD&C Act and there is no order finding that the  
79 tobacco product is not substantially equivalent.

80

81 Modified risk tobacco products also require premarket review by FDA. A *modified risk*  
82 *tobacco product* (MRTP) is “any tobacco product that is sold or distributed for use to  
83 reduce harm or the risk of tobacco-related disease associated with commercially  
84 marketed tobacco products”<sup>6</sup> (section 911(b)(1) of the FD&C Act). Specifically, to  
85 introduce or deliver for introduction into interstate commerce an MRTP, there must be in  
86 effect an order under section 911(g) of the FD&C Act and the applicant must satisfy any  
87 applicable premarket review requirements under section 910 of the FD&C Act.<sup>7</sup>

88

89 Any tobacco product, including a tobacco product intended for investigational use, is  
90 deemed adulterated if it is required by section 910(a) of the FD&C Act to have premarket  
91 review and it does not have an order in effect under section 910(c)(1)(A)(i). See sections  
92 902(6)(A) and 910(a) of the FD&C Act (21 U.S.C. 387b(6)(A) and 387j(a)). Similarly,  
93 any tobacco product, including a tobacco product intended for investigational use, is  
94 deemed adulterated if it is a modified risk tobacco product and it does not have in effect  
95 an order under section 911(g) of the FD&C Act. See sections 902(8) and 911(a) of the  
96 FD&C Act (21 U.S.C. 387b(8) and 387k(a)).

97

98 Further, tobacco products must conform in all respects with any applicable tobacco  
99 product standards. See section 301(q)(1)(A) of the FD&C Act (21 U.S.C. 331(q)(1)(A)).  
100 Any tobacco product, including a tobacco product intended for investigational use, is

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<sup>4</sup> FDA’s Guidance for Industry: *Section 905(j) Reports: Demonstrating Substantial Equivalence for Tobacco Products* (<http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM239021.pdf>) and FDA’s Draft Guidance for Industry: *Demonstrating the Substantial Equivalence of a New Tobacco Product: Responses to Frequently Asked Questions* (<http://www.fda.gov/downloads/TobaccoProducts/ResourcesforYou/ForIndustry/UCM271239.pdf>) discuss the submission process for substantial equivalence reports.

<sup>5</sup> For details on how to request an exemption from the substantial equivalence requirements, see FDA’s final rule – *Exemptions from Substantial Equivalence Requirements for Tobacco Products* (76 FR 38961; July 5, 2011) (<http://edocket.access.gpo.gov/2011/pdf/2011-34.pdf>), codified at 21 CFR 1107.1.

<sup>6</sup> A tobacco product is a modified risk tobacco product if, for example, the label, labeling, or advertising explicitly or implicitly represents the tobacco product presents lower risk of tobacco-related disease or is less harmful than one or more other commercially marketed tobacco products or the tobacco product or its smoke contains a reduced level of a substance or presents a reduced exposure to a substance.

<sup>7</sup> FDA’s Draft Guidance for Industry: *Modified Risk Tobacco Product Applications* (<http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM297751.pdf>) discusses the submission process for modified risk tobacco product applications.

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101 deemed adulterated if it is subject to a tobacco product standard established under section  
102 907 of the FD&C Act and does not in all respects conform with such standard. See  
103 sections 902(5) and 907 of the FD&C Act (21 U.S.C. 387b(5) and 387g).

104  
105 In order to file submissions with FDA to, among other things, demonstrate that new or  
106 modified risk tobacco products meet the criteria for marketing authorization, persons may  
107 need to conduct or sponsor studies involving tobacco products that do not have marketing  
108 authorization or that do not comply with an applicable tobacco product standard.  
109 Similarly, researchers may seek to study tobacco products that do not have marketing  
110 authorization or that do not comply with an applicable tobacco product standard. Until  
111 regulations governing the use of investigational tobacco products are issued and finalized,  
112 FDA intends to evaluate specific uses of investigational tobacco products according to  
113 potential public health concerns or other impacts on public health. In making  
114 enforcement decisions, FDA generally intends to consider:

- 115
- 116 • Whether there are controls on how and to whom the tobacco products intended for
- 117 investigational use are distributed.
- 118 • Whether the protocol for the clinical investigation or the procedures used during
- 119 the clinical investigation adequately provide for the protection of human subjects.
- 120 • Whether the study is designed to ensure the quality and integrity of the study data
- 121 and permit other investigators to replicate the findings.
- 122 • Whether there are adequate procedures in place to ensure that investigational
- 123 tobacco products are not commercialized.
- 124

125 As used in this guidance document:

126

127 *An investigational tobacco product* is a tobacco product that is:

- 128 (1) a new or modified risk tobacco product that is not legally marketed; or
- 129 (2) a tobacco product that is required to comply with a tobacco product  
130 standard and that does not conform in all respects to the applicable  
131 tobacco product standard,  
132 and is intended for investigational use.
- 133

134 A new tobacco product “is not legally marketed” if it is not exempt from the requirement  
135 to obtain a substantial equivalence order and is not subject to section 910(a)(2)(B) of the  
136 FD&C Act, and there is no substantial equivalence order or order under section 910(c) of  
137 the FD&C Act in effect for the product.<sup>8</sup> A modified risk tobacco product “is not legally  
138 marketed” if there is no order under section 911(g) of the FD&C Act in effect for the  
139 product. A modified risk tobacco product may also be a new tobacco product for which  
140 there must be in effect an order under section 910(c) of the FD&C Act.

141 **III. PURPOSE**

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<sup>8</sup> A new tobacco product that is on the market under an exercise of FDA’s enforcement discretion is an investigational tobacco product if it is intended for investigational use.

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143 This guidance describes FDA’s current thinking regarding the definition of  
144 *investigational tobacco product* and discusses the kind of information FDA intends to  
145 consider in making enforcement decisions regarding the use of investigational tobacco  
146 products in the United States (U.S.) until regulations become effective or FDA provides  
147 written notice of its intent to change its enforcement policy. It is intended to provide  
148 guidance not only to persons who currently intend to submit study information to FDA,  
149 but also to all persons who conduct nonclinical laboratory studies and clinical  
150 investigations using investigational tobacco products. Such persons may include  
151 sponsors, investigators, sponsor-investigators, contract research organizations (CROs),<sup>9</sup>  
152 and committees or groups formally designated to oversee research involving human  
153 subjects (e.g., institutional review boards (IRBs)) involved in investigations using  
154 investigational tobacco products.

155  
156 For purposes of this guidance, a *clinical investigation* means any experiment or study  
157 involving an investigational tobacco product and one or more human subjects, including  
158 research, development, testing, and evaluation. As used in this guidance document,  
159 *sponsor* means a person who takes responsibility for and initiates a nonclinical laboratory  
160 study or clinical investigation. In limited instances in which an individual both initiates  
161 and conducts an investigation, the individual is a sponsor-investigator. A sponsor of a  
162 study may be a tobacco manufacturer, a scientific institution, or any other person who  
163 takes responsibility for and initiates the scientific investigation of tobacco products. An  
164 *investigator* is the individual who actually conducts a nonclinical laboratory study or  
165 clinical investigation (e.g., under whose immediate direction the tobacco product is  
166 administered or dispensed to a subject). If a clinical investigation is conducted by a team  
167 of individuals, the investigator is the responsible leader of the team.

168 **IV. FDA’S ENFORCEMENT POLICY FOR INVESTIGATIONAL TOBACCO**  
169 **PRODUCTS**

170  
171 **A. Use of Investigational Tobacco Products in Nonclinical Laboratory**  
172 **Studies**  
173

174 FDA intends to consider the following information in making enforcement decisions  
175 regarding the use of investigational tobacco products in nonclinical laboratory studies:  
176

- 177 • Whether there are controls on how and to whom the tobacco products for use  
178 in a nonclinical laboratory study are distributed. For example, whether  
179 investigational tobacco products are distributed only to qualified  
180 investigators<sup>10</sup> with labeling indicating that they are limited to investigational  
181 use in research animals or for tests in vitro.

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<sup>9</sup> *Contract research organization (CRO)* as used in this guidance means a person that assumes, as an independent contractor with the sponsor, one or more of the obligations of the sponsor (e.g., design of a protocol).

<sup>10</sup> *Qualified investigators*, as used throughout this guidance, means experts qualified by scientific training and experience to evaluate tobacco products.

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- 182           • Whether there are adequate procedures in place to ensure that investigational  
183 tobacco products are not commercialized.  
184           • Whether the study is designed to ensure the quality and integrity of the study  
185 data and permit other investigators to replicate the findings.  
186

187 For purposes of this guidance, the term *nonclinical laboratory study* means in vivo or in  
188 vitro experiments in which tobacco products are studied prospectively in test systems  
189 under laboratory conditions. Nonclinical laboratory studies should be conducted in  
190 laboratories accredited by a nationally or internationally recognized external accreditation  
191 organization.  
192

193 FDA supports reducing the reliance on animal testing methods where adequate and  
194 scientifically valid non-animal alternatives can be substituted. FDA encourages sponsors  
195 to meet with CTP early in the development process to discuss what, if any, animal testing  
196 is appropriate and the suitability and acceptability of non-animal tests for their particular  
197 tobacco product. When animal-based nonclinical laboratory studies are conducted,  
198 investigators should use appropriate animal models and adhere to the best practices of  
199 refinement, reduction, and replacement of animals in research and to applicable laws,  
200 regulations, and policies governing animal testing, such as the Animal Welfare Act (7  
201 U.S.C. 2131 et seq.) and the Public Health Service Policy of Humane Care and Use of  
202 Laboratory Animals (available at  
203 <http://grants.nih.gov/grants/olaw/references/phspol.htm>). Investigators should also adopt  
204 measures to ensure the reliability and validity of nonclinical laboratory studies. One  
205 approach to implementing such measures would be to follow good laboratory practices as  
206 specified in 21 CFR part 58. Sponsors with specific questions about good laboratory  
207 practice regulations are encouraged to contact CTP.  
208

209           **B. Use of Investigational Tobacco Products in Clinical Investigations**  
210

211 Clinical investigations are likely to raise concerns about human subject protection, public  
212 health, or both. FDA intends to consider the following factors in making enforcement  
213 decisions with respect to the use of an investigational tobacco product in a clinical  
214 investigation:  
215

- 216           • Whether there are controls on how and to whom the tobacco products for use in a  
217 clinical investigation are distributed. For example, whether investigational  
218 tobacco products are distributed only to qualified investigators with labeling  
219 indicating that they are limited to investigational use only.  
220           • Whether the protocol for the clinical investigation and procedures used during the  
221 clinical investigation adequately provide for the protection of human subjects.  
222           • Whether the study is designed to ensure the quality and integrity of the study data  
223 and permit other investigators to replicate the findings.  
224           • Whether there are adequate procedures in place to ensure that investigational  
225 tobacco products are not commercialized.  
226



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227 Adequate procedures for human subject protection ensure that the rights, safety, and  
228 welfare of human subjects are protected in accordance with ethical principles acceptable  
229 to the international community and that the data are scientifically valid. One approach to  
230 implementing such measures would be to conduct the study in accordance with the  
231 appropriate provisions found in 21 CFR part 50 (informed consent of human subjects)  
232 and ensure study oversight by a qualified IRB duly constituted and operating under 21  
233 CFR part 56 (Institutional Review Boards). Additional information about informed  
234 consent and IRBs can be found in FDA’s guidance documents.  
235 [http://www.fda.gov/ScienceResearch/SpecialTopics/RunningClinicalTrials/GuidancesInf](http://www.fda.gov/ScienceResearch/SpecialTopics/RunningClinicalTrials/GuidancesInformationSheetsandNotices/ucm219433.htm)  
236 [ormationSheetsandNotices/ucm219433.htm](http://www.fda.gov/ScienceResearch/SpecialTopics/RunningClinicalTrials/GuidancesInformationSheetsandNotices/ucm219433.htm). Sponsors with specific questions about  
237 human subject protection are encouraged to contact CTP.

238  
239 For example, in evaluating the factors above, FDA would consider who the subjects of a  
240 clinical investigation are (e.g., whether the subjects are youth or women who are pregnant  
241 or nursing) and whether the protocol for the clinical investigation and procedures used  
242 during the investigation adequately provide for the protection of human subjects, as well  
243 as whether the study is conducted in a manner that ensures the quality and integrity of  
244 study data, and whether the sponsor labels the investigational tobacco product for  
245 investigational use and ensures the investigational tobacco product is distributed only to  
246 qualified investigators in accordance with study protocols.

247 **V. INFORMATION REGARDING PROPOSED USE OF AN**  
248 **INVESTIGATIONAL TOBACCO PRODUCT IN A CLINICAL**  
249 **INVESTIGATION**

250  
251 This section of the guidance provides examples of the kinds of information relevant to  
252 FDA’s consideration of the factors described above. FDA encourages sponsors to meet  
253 with CTP to discuss their specific proposed uses of investigational tobacco products.  
254 Information on how to request a meeting with FDA is found in section IX of this  
255 guidance.

256  
257 A sponsor may also submit information regarding its proposed use of an investigational  
258 tobacco product to FDA for review prior to enrolling subjects in the planned  
259 investigation. We encourage this type of voluntary submission because it will allow FDA  
260 to work with sponsors to help ensure that the factors FDA considers in making  
261 enforcement decisions are appropriately accounted for – i.e., that there are controls on  
262 how and to whom the tobacco products for use in a clinical investigation are distributed;  
263 that clinical investigations provide adequate procedures for human subject protection, are  
264 designed to ensure the quality and integrity of the study data and permit other  
265 investigators to replicate the findings; and that there are adequate procedures in place to  
266 ensure that investigational tobacco products are not commercialized.

267  
268 *1. Recommendations on Information to Include in Voluntary Submissions*

269  
270 A sponsor may seek feedback from FDA by submitting information regarding its  
271 proposed use of an investigational tobacco product in a clinical investigation. Generally,  
272 FDA expects to review and respond to these submissions within 60 calendar days.

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274 For example, sponsors may submit the following information (or where applicable, an  
275 explanation of why such information is unavailable or not relevant) to help FDA evaluate  
276 how the specific proposed use of an investigational tobacco product in a clinical  
277 investigation accounts for the factors FDA considers in making enforcement decisions:

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- Administrative information that:
  - Identifies the submission as information regarding proposed use of an investigational tobacco product in a clinical investigation (or addition of information to an existing submission);
  - Contains the name, address (mailing and email), telephone number and facsimile number of the sponsor; name, title, address (mailing and email), telephone number and facsimile number of an individual who resides or maintains a place of business in the United States and is designated to act as the authorized representative for the sponsor; and the date of the submission;
  - Provides the name, including brand name/sub-brand name or product code, if available, of the investigational tobacco product;
  - Identifies the product, such as by category (e.g., cigarette, smokeless tobacco) and product subcategory (e.g., snus or dissolvables);
  - Lists, by FDA submission tracking number, cross references for all previous submissions referenced in the submission;
  - Contains the name(s) and title(s) of the person(s) responsible for monitoring the conduct and progress of the clinical investigation;
  - Contains the name(s) and title(s) of the person(s) responsible for review and evaluation of information relevant to the effects of the investigational tobacco product; and
  - If the sponsor has transferred any responsibilities for the conduct of any clinical investigation (or part of a clinical investigation) to a CRO, the information should also contain the name and address of each CRO, identify the clinical investigation it is involved in conducting, and describe the responsibilities transferred. If all responsibilities governing the conduct of an investigation have been transferred, a general statement that all responsibilities have been transferred is acceptable;
  - Contains the signature of the authorized representative.
- A table of contents;
- A description of the investigational tobacco product and any comparator or placebo to be used in the study (this information may be provided in a table format), including each product's composition, design, and manufacture, that includes:
  - A description of the product design with schematics of the complete product and product components, a description of the design features (e.g., location of ventilation holes, heat source, paper porosity, coatings, nicotine concentration gradient), and performance specifications;
  - A complete list of, or a reference to the manufacturer's complete list of, uniquely identified components, ingredients, and additives by quantity in

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- 319 the tobacco product, including product chemistry and a table of any  
320 harmful or potentially harmful constituents (HPHCs), as well as the  
321 applicable specifications and a description of the intended function of  
322 each;<sup>11</sup>
- 323 ○ The name and address of the manufacturer of the tobacco product;
  - 324 ○ A description of the methods, facilities, and controls used for the  
325 manufacture, processing, packing, and storage of the tobacco product; and
  - 326 ○ Data and information sufficient to demonstrate the tobacco product will  
327 be stable during the conduct of the study.

328

329 If this information can be found in a master file<sup>12</sup> or other submission by a third party to  
330 which the sponsor has a right of reference, the sponsor should provide FDA with a copy  
331 of the letter from the owner of the information authorizing the sponsor to reference it and  
332 authorizing FDA to access it on the sponsor's behalf.

333

- 334 ● Use information:
  - 335 ○ For actual use studies, a description of the way in which a human subject  
336 will use the investigational tobacco product, including a description of  
337 how a human subject operates the product (e.g., whether a human subject  
338 places the tobacco product in the mouth or nose; whether a human subject  
339 ignites the tobacco product and, if so, by what means; whether the  
340 product is designed to be smoked, inhaled, swallowed, dissolved, sniffed,  
341 chewed);
  - 342 ● Any information about the investigational tobacco product, both favorable and  
343 unfavorable, known or reasonably obtainable by the sponsor, such as results  
344 of product testing, nonclinical laboratory studies, and clinical investigations,  
345 and information on marketed tobacco products similar to the investigational  
346 tobacco product;
  - 347 ● A study protocol;
  - 348 ● Identification of the study sites and a summary of qualifications for each  
349 clinical investigator who will be participating at each site in the study;
  - 350 ● Copies of all packaging and labeling to be provided to clinical investigators or  
351 study subjects;
  - 352 ● A copy of the Investigator's Brochure, if applicable;
  - 353 ● A copy of any information to be provided to the clinical investigator to ensure  
354 consistent implementation of a protocol across study sites;
  - 355 ● A copy of the case report forms;

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<sup>11</sup> For the purposes of this guidance, components, ingredients, and additives include anything that may reasonably be expected, directly or indirectly, to become part of, or affect the characteristics of, the finished tobacco product. This includes, but is not limited to, tobacco, paper, glue, flavorings, burn-rate controllers, and pH modifiers.

<sup>12</sup> A master file is a submission of information to FDA by a person (the master file owner) who intends to incorporate the information by reference in a submission to FDA or intends to authorize other persons to rely on the information to support a submission to FDA without the master file owner having to disclose the information to the person.

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- 356       •       A copy of the study participant informed consent form, recruitment materials,  
357       and any other information to be provided to participants, such as a debriefing  
358       script, and a summary of the informed consent procedures to be followed;  
359       •       The name, and contact information for, the committee or group which has  
360       been formally designated to oversee the clinical investigation;  
361       •       Disclosure of the financial arrangements between the sponsor and the clinical  
362       investigators and any interest of the clinical investigators in the product under  
363       study or in the sponsor of the study; and  
364       •       A description of the sponsor’s procedures for maintaining records regarding  
365       the receipt, use, and disposition of investigational tobacco products, and for  
366       updating clinical investigators on important new information that affects the  
367       clinical investigation.

368  
369       2.       *Study Protocols*  
370

371       Regardless of whether you intend to consult with FDA in conducting research with an  
372       investigational tobacco product, we generally recommend that your study protocol  
373       include the following information, which may be considered should FDA assess the  
374       enforcement priority of a particular investigation:  
375

- 376       •       A statement of the study objective(s);  
377       •       The study hypothesis or hypotheses;  
378       •       Background information (e.g., a brief description of the investigational tobacco  
379       product, a critical review of the literature, the significance of the study to be  
380       conducted, a summary of information relevant to the health risks of the  
381       investigational tobacco product (e.g., available information on a marketed product  
382       that is similar to the investigational tobacco product));  
383       •       The general investigational plan;  
384       •       A description of the design and setting (e.g., clinical, community) for the study,  
385       including the type of control group, if any, to be used and a description of  
386       methods to be used to minimize bias and confounding;  
387       •       A description of the study population, including the methods used for recruitment,  
388       number of subjects to be enrolled, inclusion/exclusion criteria, and comparison  
389       group(s);  
390       •       A description of the primary and secondary endpoints with definitions and  
391       success criteria;  
392       •       A statistical analysis plan. The plan should include a description of the statistical  
393       method to be used and the reason for choosing this method and sample size,  
394       including calculations of the power of the study and the level of significance or  
395       confidence level to be used;  
396       •       A copy of data collection procedures and samples of data collection instruments;  
397       •       The timing for baseline and follow-up assessments and duration of follow-up;  
398       •       A risk assessment, including a description of clinical procedures, laboratory tests,  
399       criteria for stopping the study, or other measures to be taken to monitor the effects  
400       of the product in human subjects and to minimize risk;

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- 401 • Samples of case report forms;
- 402 • Written procedures for monitoring the investigation and the name and address of
- 403 each monitor;
- 404 • A description of the steps that will be taken to protect human subjects (including
- 405 any plans to report adverse experiences and to debrief subjects, if appropriate) and
- 406 a sample of the informed consent forms to be used for the study;
- 407 • The name, address, and statement of qualifications (curriculum vitae or other
- 408 statement) of each clinical investigator;
- 409 • The name and address of any facility where specimens will be tested;
- 410 • The method for determining the level of product exposure for the individual
- 411 subject, including the quantity of each administration and maximum planned
- 412 exposure over the duration of the study; and
- 413 • Study milestone and timeline elements, including study initiation, enrollment
- 414 goals, completion of enrollment, completion of follow-up, and submission of final
- 415 report.

416  
417 We also recommend that:

- 418
- 419 • Protocols employ standardized and validated methods of analysis;
- 420 • Sample sizes permit robust statistical analyses;
- 421 • Designs permit valid comparisons with appropriate controls for the testing of
- 422 study hypotheses (selection of the controls should be based on the endpoint or
- 423 effect to be evaluated);
- 424 • Procedures be employed to minimize bias on the part of observers, researchers,
- 425 participants, and analysts of the data and prevent undue influences on the results
- 426 and interpretation of the study data, such as blinding, masking, random
- 427 assignment to condition, etc.;
- 428 • Methods for assigning subjects to different comparator groups are appropriate for
- 429 making comparisons between groups with respect to pertinent variables;
- 430 • Procedures for the selection of human subjects allow for generalizability of study
- 431 results to the U.S. population, as appropriate;
- 432 • Procedures call for oversampling of populations that are particularly likely to be
- 433 affected, positively or negatively, by the marketing of the product;
- 434 • Protocols allow for conditions of use of the product that are reflective of how the
- 435 product will actually be used by consumers when it is marketed;
- 436 • Study duration allows for adequate assessment of selected endpoint(s) and/or
- 437 effects;
- 438 • Analyses adequately address the effects of the product on the study measures,
- 439 endpoints or outcomes; and
- 440 • Protocols include procedures and timelines for clinical investigators to report
- 441 adverse experiences to study sponsors.

442  
443 3. *Additional Recommendations Regarding Human Subject Protection*

444

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445 In order to ensure that studies are conducted in a manner that protects human subjects,  
446 FDA recommends that sponsors put procedures in place to keep the Agency and the  
447 committee or group formally designated to oversee research involving human subjects  
448 informed about any changes relating to the conduct of, and issues that arise during, the  
449 study. The sponsor should ensure that clinical investigators maintain complete and  
450 accurate records to account for receipt, use, and disposition of investigational tobacco  
451 products. The sponsor should keep clinical investigators and any committee or group  
452 formally designated to oversee research involving human subjects informed of new  
453 information on the product, particularly adverse experience information.

454

455 FDA recommends that sponsors consult with CTP’s Office of Science and any committee  
456 or group formally designated to oversee research involving human subjects if there are  
457 changes to the current investigational use to ensure that the sponsor’s use of an  
458 investigational tobacco product continues to appropriately account for the factors FDA  
459 intends to consider in determining enforcement priorities. FDA recommends that  
460 sponsors keep records of the following information, which is relevant to the factors FDA  
461 intends to consider in determining its enforcement priorities:

462

463

- Protocol amendments;
- Names and qualifications of new clinical investigators, including clinical investigators replaced for cause (e.g., due to fraud or other misconduct);
- A description of any changes made to the investigational tobacco product or its conditions of use; and
- Adverse experience reports. If you are notified a study subject has a serious and unexpected adverse experience associated with the use of the investigational tobacco product, we recommend that you inform FDA, all participating clinical investigators, and any committee or group formally designated to oversee the study within a few days after initial receipt of the notification, and that you supply FDA with a completed case report form for the adverse experience.<sup>13</sup> In addition, we recommend that you notify FDA, all participating clinical investigators and any committee or group formally designated to oversee the study of any serious or unexpected adverse experience associated with the tobacco product you are investigating within a few weeks after initial notification, and that you supply FDA with a completed case report form for the adverse experience.

469

480 If you choose to terminate a study (or withdraw or inactivate a protocol or want to  
481 withdraw all studies of a product) before completion, we recommend you notify FDA  
482 within a few weeks of such action and include in the notification the reason(s) for the  
483 action taken. This information is relevant for FDA to consider in making decisions  
484 relating to future investigations involving the tobacco product that was the subject of the  
485 terminated study. You should provide, as appropriate, plans for continued monitoring of  
486 subjects or others exposed to the tobacco product during the clinical investigation. If

---

<sup>13</sup> For the purposes of this guidance, an adverse experience would be unexpected if, for example, the nature, severity, or frequency of an effect of using an investigational tobacco product was not consistent with known or foreseeable risks associated with such product or the research procedures.

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487 there is a reasonable possibility that exposure to the investigational tobacco product  
488 caused a serious and unexpected adverse experience, you should also inform any clinical  
489 investigators who participated in the discontinued investigation of the reason(s) for  
490 discontinuing the clinical investigation.

491 **VI. STUDIES OF TOBACCO PRODUCTS CONDUCTED OUTSIDE THE**  
492 **UNITED STATES**

493 For nonclinical laboratory studies of investigational tobacco products conducted outside  
494 of the United States, but intended for submission to FDA, investigators should take  
495 measures to ensure the reliability and validity of nonclinical laboratory studies. One  
496 approach to implementing such measures would be to follow good laboratory practices as  
497 specified in 21 CFR part 58. In addition, we encourage investigators to use appropriate  
498 animal models and adhere to the best practices of refinement, reduction, and replacement  
499 of animals in research and to applicable laws, regulations, and policies governing animal  
500 testing. As stated in section IV.A, FDA supports reducing reliance on animal testing  
501 methods where adequate and scientifically valid non-animal alternatives can be  
502 substituted.

503 For clinical investigations of tobacco products conducted outside the United States, but  
504 intended for submission to FDA, we recommend that clinical investigators conduct such  
505 studies so that the rights, safety, and welfare of human subjects have been protected in  
506 accordance with ethical principles acceptable to the international community (e.g., as  
507 reflected in International Conference on Harmonisation (ICH) guidelines such as Good  
508 Clinical Practice: Consolidated Guideline (ICH E6)) and that the data are scientifically  
509 valid and applicable to the U.S. population. The clinical investigator should conduct  
510 these studies in conformance with international standards for good clinical practices or  
511 obey the laws and regulations of the country in which the research is conducted,  
512 whichever affords the greater protection of human subjects.

513  
514 If you intend to export a tobacco product, including for investigational use, you should  
515 refer to section 801(e) of the FD&C Act (21 U.S.C. 381(e)).

516  
517 FDA recommends that sponsors prepare and maintain records and reports, as described in  
518 section VII of this guidance, for studies conducted outside of the United States but  
519 intended for submission to FDA to permit FDA to evaluate the conduct of a clinical  
520 investigation, including assessing the quality and integrity of the study data and  
521 protection of human subjects.

522 **VII. PREPARATION AND MAINTENANCE OF STUDY RECORDS**

523

524 FDA recommends that sponsors, CROs, sponsor-investigators, and clinical investigators  
525 maintain documentation to permit evaluation of the conduct of a clinical investigation,  
526 including assessing the quality and integrity of the study data and protection of human  
527 subjects. Records should be maintained for a period of at least 2 years after the date on  
528 which the investigation is terminated or completed or the date that the records are no

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529 longer required for supporting marketing of a product or the later of the two dates if both  
530 apply. However, in no instance is a tobacco product manufacturer of a regulated tobacco  
531 product relieved of its obligation to comply with the requirements of section 904(b) of the  
532 FD&C Act (21 U.S.C. 387d(b)) or any other applicable recordkeeping or submission  
533 requirements.

534

535 To permit evaluation of the conduct of a clinical investigation, including assessing the  
536 quality and integrity of the study data and protection of human subjects, sponsors should  
537 prepare and maintain complete and accurate records relating to the use of investigational  
538 tobacco products, including, but not limited to:

539

- 540 • Records showing the receipt, shipment, or other disposition of the investigational  
541 tobacco product;
- 542 • All correspondence with another sponsor, a monitor, an clinical investigator, the  
543 committee or group formally designated to oversee research involving human  
544 subjects, or FDA;
- 545 • Signed investigator agreements including financial disclosure information; and
- 546 • Records concerning serious or unexpected adverse experiences.

547

548 In addition, sponsors should provide a copy of this guidance to clinical investigators and  
549 ensure that clinical investigators prepare and maintain complete and accurate records  
550 relating to the use of an investigational tobacco product, including, but not limited to:

551

- 552 • Records of the receipt, use, and disposition of the investigational tobacco product,  
553 including dates, quantity, and use by subjects;
- 554 • All correspondence with another investigator, the committee or group formally  
555 designated to oversee research involving human subjects, the sponsor, a monitor,  
556 or FDA;
- 557 • Signed consent forms;
- 558 • Records of each subject’s case history and exposure to tobacco products used in  
559 the investigation. Case histories should include the case report forms, progress  
560 notes, and medical records;
- 561 • All relevant observations, including records concerning adverse experiences; and
- 562 • The protocol, with documents showing the dates of and reasons for each deviation  
563 from the protocol.

564 **VIII. HOW TO SUBMIT INFORMATION REGARDING PROPOSED USE OF**  
565 **AN INVESTIGATIONAL TOBACCO PRODUCT**

566

567 For sponsors who would like FDA’s feedback on a particular proposed use of an  
568 investigational tobacco product, there are three ways to submit information regarding  
569 proposed use of an investigational tobacco product:

570

- 571 • Electronic format submitted via the FDA Electronic Submission Gateway;
- 572 • Electronic format submitted on physical media (e.g., CD or DVD); or
- 573 • Paper format.



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574

575 FDA has created a form to assist you should you choose to submit information to FDA  
576 regarding the use of an investigational tobacco product. While use of the form is  
577 voluntary, it will help ensure that you are providing complete information for FDA’s  
578 consideration and will facilitate processing and review by FDA. A copy of the form is  
579 attached as Appendix A to this guidance and is available on FDA’s website.

580

581 FDA strongly encourages you to submit the information regarding your proposed use in  
582 an electronic format to facilitate efficiency and timeliness of data submission and  
583 processing. You can securely submit your information via the FDA Electronic  
584 Submissions Gateway (ESG). To prepare for this capability, please refer to the ESG  
585 website instructions for setting up a WebTrader account at [www.fda.gov/ESG](http://www.fda.gov/ESG).

586

587 For submissions in paper, you should include the original signed cover letter, which  
588 prominently identifies the submission as a “Proposed Use of an Investigational Tobacco  
589 Product.” A submission regarding proposed use of an investigational tobacco product  
590 submitted in paper or on electronic media should be sent to the address included on our  
591 website ([www.fda.gov/tobaccoproducts](http://www.fda.gov/tobaccoproducts)).

592

593 Files submitted on electronic media should be stored on a CD/DVD or flash drive media.  
594 Electronic media should be labeled with your company name, a contact phone number,  
595 “Proposed Use of an Investigational Tobacco Product – *name of the tobacco product*  
596 *under investigation*,” submission date, and series number (e.g., “disc 1 of 2”). The files  
597 should include a signed cover letter prominently identified as a “Proposed Use of an  
598 Investigational Tobacco Product” and should also identify the software (name, version,  
599 and company) that you used to confirm the submission is free of viruses or other  
600 malware. In case we have difficulty accessing the digital media, we recommend that you  
601 also include a paper copy of the cover letter.

602

603 ***Electronic Submission Formats***

604 For clinical investigation information submitted in electronic format, we recommend that  
605 all content (including the cover letter), except raw data, be in Portable Document Format  
606 (PDF) files compatible with Adobe Acrobat 6.0 or higher without the use of additional  
607 plug-ins other than those provided by Adobe as part of Acrobat. For data files, we  
608 recommend that either Excel (.xls, .csv) or SAS transport (.xpt) files be used, and be  
609 accompanied by instructions for use and your statistical program code. Data contained in  
610 Excel files should be actual values and not calculated values from a cell formula. Files  
611 should not be password protected or encrypted. In preparing your submission in PDF  
612 format, we recommend that you:

613

- 614 • Create PDF files directly from an electronic source such as a word processing file  
615 or excel;
- 616 • Avoid image-only based PDF files whenever possible because scanned images are  
617 more difficult to read and search. If you scan a document to create a PDF file, we  
recommend that you capture text by optical character recognition (OCR) software

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- 618 so that the text of the resulting electronic documents is reasonably accessible and  
619 searchable; and  
620 • Create a submission table of contents and format it using bookmarks designed to  
621 help the reader navigate through the document efficiently.

622 **IX. REQUESTING A MEETING WITH FDA**

623

624 We recommend that persons who intend to study investigational tobacco products meet  
625 with FDA to discuss research plans.

626

627 Information about how to request meetings with CTP can be found in FDA’s guidance:  
628 *Meetings with Industry and Investigators on the Research and Development of Tobacco*  
629 *Products*  
630 ([http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInfor](http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM305282.pdf)  
631 [mation/UCM305282.pdf](http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM305282.pdf)).

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## Appendix A: Form: Proposed Use of an Investigational Tobacco Product

Form Approval OMB Control No. 0910-3934 Expiration Date xx/xx/xxxx See PRA Statement on page X		
<b>DEPARTMENT OF HEALTH AND HUMAN SERVICES</b> Food and Drug Administration <b>PROPOSED USE OF AN INVESTIGATIONAL TOBACCO PRODUCT</b>		
<b>Sponsor Information</b>		
<b>1. Name of Sponsor</b>  Click here to enter text.	<b>2. Date of Submission</b>  Click here to enter a date.	
<b>3. Sponsor Address and Contact</b>		
Primary Address (Street Address, P.O. Box) Click here to enter text.	City Click here to enter text.	State/Province/Region Click here to enter text.
Address 2 (Apt, Suite, Unit, Bldg., Floor, etc.) Click here to enter text.	Country Click here to enter text.	ZIP or Postal Code Click here to enter text.
Telephone Click here to enter text.	Email Click here to enter text.	Fax
Authorized Representative Information (Individual residing or maintaining a place of business within the United States who is designated by the sponsor to receive communication from the FDA)		
<b>4. Name of Authorized Representative</b>		
Click here to enter text.		
<b>5. Authorized Representative Address and Contact Information</b>		
Primary Address (Street Address, P.O. Box) Click here to enter text.	City Click here to enter text.	State/Province/Region Click here to enter text.
Address 2 (Apt, Suite, Unit, Bldg., Floor, etc.) Click here to enter text.	Country Click here to enter text.	ZIP or Postal Code Click here to enter text.
Telephone	Email Click here to enter text.	FAX Click here to enter text.
Investigational Tobacco Product Information		
<b>6. Name of Tobacco Product (Include Brand Name/Sub-Brand Name or Product code if available)</b>		
<b>7. Product Category</b> Choose an item.	<b>8. Product Sub-Category</b>  Choose an item.	
<b>9. Is the tobacco product intended for investigational use a legally marketed product? (Select applicable)</b>  Yes, this product has grandfathered status. Please provide GF #####if available.  Yes, this product has a marketing order. Please provide STN (SE/EX/PM#####).  Yes, this product has provisional status. Please provide STN (SE#####).  No		

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<p>10. Will the clinical study involve actual use of the investigational tobacco product?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>11. Related Submissions: List the FDA submission tracking numbers (STNs, IUXXXXXXX, etc.) for all of your previous requests for proposed use of this investigational tobacco product</p> <p><a href="#">Click here to enter text.</a></p>	
<b>FDA Use Only</b>	
CTP/DCC Receipt Stamp	STN #
<b>Submission Information</b>	
<p>12. This submission contains the following (Select all that apply)</p> <p><input type="checkbox"/> New Proposal, i.e., your first communication regarding the proposed investigational use of this product</p> <p><input type="checkbox"/> Additional Information IU##### ( Check all that apply in the boxes below)</p>	
<p><b>Protocol</b></p> <p><input type="checkbox"/> New Protocol, product not previously studied</p> <p><input type="checkbox"/> New Protocol [Product previously studied, P#####]</p> <p><b>Protocol amendments,</b></p> <p><input type="checkbox"/> Change in Protocol (include P#####)</p> <p><input type="checkbox"/> New Investigator (include P#####)</p> <p><b>Information Amendments</b></p> <p><input type="checkbox"/> Response to [DATE] FDA Request for Info</p> <p><input type="checkbox"/> Composition, Design, &amp; Manufacture of Product</p> <p><input type="checkbox"/> Pharmacology/Toxicology</p> <p><input type="checkbox"/> Clinical</p>	<p><b>Administrative Amendments</b></p> <p><input type="checkbox"/> Change in Sponsor</p> <p><input type="checkbox"/> Change in Address</p> <p><input type="checkbox"/> Notification to Withdraw Protocol [P#####]</p> <p><input type="checkbox"/> Notification to Inactivate Protocol [P#####]</p> <p><input type="checkbox"/> Notification to Withdraw all studies of Product [IU#####]</p> <p><b>Report of Adverse Experience</b></p> <p><input type="checkbox"/> Initial Adverse Experience Report, Specify Protocol [P#####]</p> <p><input type="checkbox"/> Follow-up Adverse Experience Report, Specify Protocol(s) [P#####]</p>
<p><b>Other Information</b></p> <p>Other, Please attach the information (<i>Specify; e.g., updates on the status of studies, changes to investigational plan</i>)</p>	
<p>13. Is any part of the clinical study to be conducted by (transferred to) a Contract Research Organization (CRO) <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, provide the name and address of the CRO, identification of the clinical study, and a description of the specific responsibilities being assumed by the CRO</p> <p><a href="#">Click here to enter text.</a></p>	

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<p>14. Are you referencing information in a Master File?  <input type="checkbox"/> Yes <input type="checkbox"/> No                  If yes, please attach a copy of the letter of authorization from the master file owner that permits FDA to reference such file on your behalf.</p>	
<p>15. Name and title of the person responsible for monitoring the conduct and progress of the clinical investigations. <a href="#">Click here to enter text.</a></p>	
<p>16. Name(s) and title(s) of the person(s) responsible for review and evaluation of information relevant to the effects of the investigational tobacco product.  <a href="#">Click here to enter text.</a></p>	
<p>Signature of Authorized Representative</p>	<p>Type Name, Title and Date</p>

635

<p><b>A. Protocol Submission</b></p>
<p>If the submission is a NEW PROTOCOL, attach document(s) which include the following information</p>
<ol style="list-style-type: none"> <li>1. Table of Contents and Cover Letter</li> <li>2. Background Information (include as applicable):                         <ol style="list-style-type: none"> <li>a. summary of results of product testing and nonclinical studies that have been conducted previously on the specific investigational tobacco product</li> <li>b. summary of results of any clinical studies (both favorable and unfavorable)</li> <li>c. summary of information relevant to the health risks of the investigational tobacco product (e.g., available information on a marketed product that is similar to the investigational tobacco product)</li> <li>d. Study Protocol Name</li> </ol> </li> <li>3. General Investigational Plan</li> <li>4. Name of Investigational Tobacco Product (include Brand Name/Sub-Brand Name or product code)</li> <li>5. Description of Investigational Tobacco Product</li> <li>6. Description of product design with schematics of the complete product and product components and a description of the design features (attach Product Chemistry, including HPHC table)</li> <li>7. Complete list of uniquely identified components, ingredients, and additives by quantity in the investigational tobacco product, applicable specifications, and a description of intended function of each.</li> <li>8. Name/Address of manufacturer of the investigational tobacco product</li> <li>9. Description of methods, facilities, &amp; controls used for manufacturing, processing, packing, and storing of the product(s)</li> <li>10. Information demonstrating the stability of the product(s) during the conduct of the study</li> </ol>

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<ol style="list-style-type: none"><li>11. If comparator and/or placebo product(s) will be used, attach a table that contains the information in items #5 through 11 of this list for each product that will be used in the clinical study</li><li>12. A statement of the study objectives, hypotheses, and design</li><li>13. A summary of the informed consent procedures and provide a copy of Informed Consent forms and any other information provided to participants</li><li>14. Sample Case Report Form</li><li>15. Copies of packaging and labeling provided to investigators or subjects</li><li>16. Investigational Brochure (if more than one investigator)</li><li>17. The name and contact information for the committee or group formally designated to oversee research involving human subjects (e.g. Institutional Review Board or IRB).</li><li>18. Statistical Analysis Plan</li><li>19. List all of the study sites and for each site provide a summary of the qualifications for each clinical investigator who will be participating in the study at that site</li><li>20. Disclose financial arrangements between you and the investigator and any interest the investigator may have in the product under study or in the sponsor</li></ol>
<p><b>B. Protocol Amendment</b> If the submission is a PROTOCOL AMENDMENT, attach document(s) which include the following information</p>
<ol style="list-style-type: none"><li>1. Table of Contents and Cover Letter</li><li>2. Revised protocol with the proposed changes clearly documented (i.e., track changes or red line)</li><li>3. 'Clean' version of revised protocol</li></ol>
<p><b>C. Information Amendment</b></p> <p>If the submission is an INFORMATION AMENDMENT, attach document(s) which include the following information</p>
<ol style="list-style-type: none"><li>1. Table of Contents and Cover Letter</li><li>2. Additional information related to the amendment. Include all information from the list under "A: Protocol Submission" that is applicable to the amendment.</li></ol>
<p><b>D. Administrative Amendment</b></p> <p>If the submission is an ADMINISTRATIVE AMENDMENT, attach document(s) which include the following information</p>
<ol style="list-style-type: none"><li>1. Cover Letter including details of the administrative change (e.g., change in sponsor or address)</li></ol>

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<p><b>E. Adverse Experience</b></p> <p>If the submission is reporting an ADVERSE EXPERIENCE, attach document(s) which include the following information</p>
<ol style="list-style-type: none"><li>1. Table of Contents and Cover letter</li><li>2. Study Protocol Name</li><li>3. Name of Investigational Tobacco Product (Include Brand Name/Sub-Brand Name or product code)</li><li>4. Completed case report form</li><li>5. Any additional or follow-up information</li></ol>
<p><b>F. Other Information</b></p> <p>If the submission is OTHER INFORMATION not described above, attach document(s) which include the following information</p>
<ol style="list-style-type: none"><li>1. Table of Contents and Cover Letter</li><li>2. Additional detailed information</li></ol>

636

637

638

639

## **Appendix B: Frequently Asked Questions**

640

641 **What is an “investigational tobacco product”?**

642

643 A: For purposes of the draft guidance on the use of investigational tobacco products,  
644 FDA has defined “investigational tobacco product” to mean a tobacco product that is:  
645 (1) a new or modified risk tobacco product that is not legally marketed; or (2) a tobacco  
646 product that is required to comply with a tobacco product standard and that does not  
647 conform in all respects to the applicable tobacco product standard,  
648 and is intended for investigational use.

649

650 A new tobacco product “is not legally marketed” if it is not exempt from the requirement  
651 to obtain a substantial equivalence order and is not subject to section 910(a)(2)(B) of the  
652 Federal Food, Drug, and Cosmetic Act (FD&C Act), and there is no substantial  
653 equivalence order or order under section 910(c) of the FD&C Act in effect for the  
654 product.\* A modified risk tobacco product “is not legally marketed” if there is no order  
655 under section 911(g) of the FD&C Act in effect for the product. A modified risk tobacco  
656 product may also be a new tobacco product for which there must be in effect an order  
657 under section 910(c) of the FD&C Act.

658

659 \* A new tobacco product that is on the market under an exercise of FDA’s  
660 enforcement discretion is an investigational tobacco product if it is intended for  
661 investigational use.

662

663 **Under what authority can FDA permit the use of investigational tobacco products?**

664

665 A: Section 910(g) of the FD&C Act gives FDA the authority to issue regulations to  
666 exempt tobacco products intended for investigational use from the requirements of  
667 Chapter IX of the FD&C Act. FDA intends to propose regulations establishing the  
668 conditions for exempting investigational tobacco products from certain FD&C Act  
669 requirements. Until then, investigational tobacco products are *not* exempt from  
670 applicable FD&C Act requirements, including premarket submission requirements and  
671 tobacco product standards. The draft guidance on use of investigational tobacco products  
672 describes FDA’s current thinking regarding the definition of “investigational tobacco  
673 product” and discusses the kind of information FDA intends to consider in making  
674 enforcement decisions regarding the use of investigational tobacco products until  
675 regulations become effective or FDA provides written notice of its intent to change its  
676 enforcement policy.

677

678 **What are the overarching factors FDA will consider in making enforcement**  
679 **decisions establishing conditions for the use of investigational tobacco products?**

680

681 A: The factors FDA will consider generally in making enforcement decisions are  
682 potential public health concerns or other impacts on the public health.



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683

684 **What factors will FDA consider in making enforcement decisions regarding the use**  
685 **of investigational tobacco products in nonclinical laboratory studies?**

686

687 A: As used in the draft guidance, the term “nonclinical laboratory study” means an in  
688 vivo or in vitro experiment in which tobacco products are studied prospectively in test  
689 systems under laboratory conditions.

690

691 In making enforcement decisions with respect to the use of an investigational tobacco  
692 product in nonclinical laboratory studies, FDA intends to consider whether there are  
693 controls on how and to whom investigational tobacco products are distributed, whether  
694 there are adequate procedures in place to assure that investigational tobacco products are  
695 not commercialized, and whether the study is designed to ensure the quality and integrity  
696 of the study data and permit other investigators to replicate the findings. One approach to  
697 ensure the quality and integrity of the study data would be to follow good laboratory  
698 practices as specified in 21 CFR part 58.

699

700 **What factors will FDA consider in making enforcement decisions regarding the use**  
701 **of investigational tobacco products in clinical studies?**

702

703 A: As used in the draft guidance, the term “clinical investigation” means any experiment  
704 or study involving an investigational tobacco product and one or more human subjects,  
705 including research, development, testing, and evaluation. Clinical studies are likely to  
706 raise concerns about human subject protection, public health, or both.

707

708 In making enforcement decisions with respect to the use of an investigational tobacco  
709 product in clinical investigations, FDA intends to consider the following:

710

- 711 • Whether there are controls on how and to whom the tobacco products are  
712 distributed;
- 713 • Whether the protocol for a clinical investigation and procedures used during the  
714 clinical investigation adequately provide for the protection of human subjects;
- 715 • Whether the investigation is designed to ensure the quality and integrity of the  
716 study data and permit other investigators to replicate the findings; and
- 717 • Whether there are adequate procedures in place to assure the investigational  
718 tobacco products are not commercialized. For example, investigational tobacco  
719 products should not be distributed for use except in accordance with a study  
720 protocol, and should not be promoted to consumers.

721

722 **What kinds of information are relevant to FDA in making enforcement decisions**  
723 **with respect to a particular use of an investigational tobacco product in a clinical**  
724 **investigation?**

725

726 A: Examples of information that may help FDA to evaluate specific proposed uses of  
727 investigational tobacco products include, but are not limited to:

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- Information about the composition, design, and manufacture of the investigational tobacco product and any comparators or placebos;
  - Information about the way in which a human subject will use the investigational tobacco product;
  - Currently existing data and information regarding the investigational tobacco product, such as the results of product testing, nonclinical laboratory studies, results of favorable and unfavorable clinical investigations, and information available on marketed tobacco products similar to the investigational tobacco product;
  - The study protocol;
  - The packaging and labeling provided to investigators or study subjects;
  - Recruitment materials and consent forms; and
  - Information about any committee or group that has been formally designated to oversee the proposed clinical investigation.

743

744 **How can I seek FDA’s feedback regarding a proposed use of an investigational**

745 **tobacco product?**

746

747 A: FDA recommends that persons who intend to study investigational tobacco products

748 meet with CTP to discuss research plans, including the conduct of nonclinical laboratory

749 studies and clinical investigations. Information about how to request meetings with CTP

750 can be found in FDA’s guidance: [Meetings with Industry and Investigators on the](http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM305282.pdf)

751 [Research and Development of Tobacco Products](http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM305282.pdf)

752 [\(\[http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInfor\]\(http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM305282.pdf\)](http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM305282.pdf)

753 [mation/UCM305282.pdf](http://www.fda.gov/downloads/TobaccoProducts/GuidanceComplianceRegulatoryInformation/UCM305282.pdf)).

754

755 For nonclinical laboratory studies, FDA encourages sponsors to meet with FDA to

756 discuss, among other things, what, if any, animal testing is appropriate and the suitability

757 and acceptability of non-animal tests for their particular tobacco product.

758

759 For clinical investigations, a sponsor may submit information regarding a proposed use of

760 an investigational tobacco product to FDA for review prior to enrolling subjects. FDA

761 encourages this type of voluntary submission because it will allow FDA to work with a

762 sponsor to help ensure that the factors FDA considers in making enforcement decisions

763 are appropriately accounted for – i.e., that there are controls on how and to whom the

764 investigational tobacco products are distributed, that the protocol for the clinical

765 investigation and procedures used during the clinical investigation adequately provide for

766 human subject protection, that the clinical investigation is designed to ensure the quality

767 and integrity of the study data and permit other investigators to replicate the findings, and

768 that there are adequate procedures in place to assure that investigational tobacco products

769 are not commercialized. The information FDA recommends you include in your

770 submission is described in section V.1 of the draft guidance. FDA has created a form to

771 assist you should you choose to submit information. While use of the form is voluntary,

772 it will help ensure that you are providing complete information for FDA’s consideration

773 and will facilitate processing and review by FDA.

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775 **How do I submit information to FDA regarding a proposed use of an investigational**  
776 **tobacco product?**

777

778 A: There are three ways to submit information regarding a proposed use of an  
779 investigational tobacco product:

780

- 781 • Electronic format submitted via the FDA Electronic Submission Gateway;
- 782 • Electronic format submitted on physical media (e.g., CD or DVD); or
- 783 • Paper format.

784

785 If you elect to seek FDA’s feedback, FDA strongly encourages you to submit the  
786 information in an electronic format to facilitate efficiency and timeliness of data  
787 submission and processing.

788

789 **What information should be included in the protocol for a clinical study?**

790

791 A: The information FDA recommends you include in your study protocol is described in  
792 section V.2 of the draft guidance.

793

794 **Should I keep study records?**

795

796 A: FDA recommends that sponsors, contract research organizations, sponsor-  
797 investigators, and clinical investigators maintain documentation to permit evaluation of  
798 the conduct of a clinical investigation, including assessing the quality and integrity of the  
799 study data and protection of human subjects. Section VII of the draft guidance describes  
800 some of the records FDA recommends maintaining. In no instance is a tobacco product  
801 manufacturer relieved of its obligation to comply with the requirements of section 904(b)  
802 of the FD&C Act or any other applicable recordkeeping or submission requirements.

803

804 **When should I consult with FDA during the conduct of a clinical investigation?**

805

806 A: FDA recommends that you consult with us and any committee or group formally  
807 designated to oversee research involving human subjects when certain events occur  
808 during the conduct of a clinical investigation, including when you:

809

- 810 • Amend your protocol;
- 811 • Add new investigators, including to replace investigators for cause; or
- 812 • Make changes to the investigational tobacco product or the way the product will  
813 actually be used by study subjects.

814

815 This will allow FDA to ensure that your use of an investigational tobacco product  
816 continues to appropriately account for the factors FDA intends to consider in making  
817 enforcement decisions.

818

819 If you are notified a study subject has a serious *and* unexpected adverse experience  
820 associated with the use of an investigational tobacco product, we recommend that that

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821 you inform FDA, all participating clinical investigators, and any committee or group  
822 formally designated to oversee the study within a few days after initial receipt of the  
823 notification. In addition, we recommend that you notify FDA, all participating clinical  
824 investigators and any committee or group formally designated to oversee the study of any  
825 serious *or* unexpected adverse effect associated with the use of an investigational tobacco  
826 product within a few weeks after initial receipt of notification. If you submit information  
827 to FDA regarding any such adverse experience, you should submit such information  
828 through the safety reporting portal at  
829 [https://www.safetyreporting.hhs.gov/fpsr/WorkflowLoginIO.aspx?metinstance=C1EB51](https://www.safetyreporting.hhs.gov/fpsr/WorkflowLoginIO.aspx?metinstance=C1EB51816CC166C20BF09CF68EC9297B02BBD3A0)  
830 [816CC166C20BF09CF68EC9297B02BBD3A0](https://www.safetyreporting.hhs.gov/fpsr/WorkflowLoginIO.aspx?metinstance=C1EB51816CC166C20BF09CF68EC9297B02BBD3A0).

831

832 **What do I do if I have any questions regarding tobacco products intended for**  
833 **investigational use?**

834

835 A: If you have submitted information regarding a proposed use of an investigational  
836 tobacco product, FDA will provide you with information regarding who to contact if you  
837 have related questions. Otherwise, you can direct questions to [AskCTP@fda.hhs.gov](mailto:AskCTP@fda.hhs.gov) or  
838 call 1-877-287-1373 (9am EST-4pm EST).

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