

---

# ANDAs: Pre-Submission Facility Correspondence Related to Prioritized Generic Drug Submissions Guidance for Industry

## ***DRAFT GUIDANCE***

**This guidance document is being distributed for comment purposes only.**

Comments and suggestions regarding this draft document should be submitted within 90 days of publication in the *Federal Register* of the notice announcing the availability of the draft guidance. Submit electronic comments to <https://www.regulations.gov>. Submit written comments to the Dockets Management Staff (HFA-305), Food and Drug Administration, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852. All comments should be identified with the docket number listed in the notice of availability that publishes in the *Federal Register*.

For questions regarding this draft document, contact Ranjani Prabhakara, (240) 402-4652.

**U.S. Department of Health and Human Services  
Food and Drug Administration  
Center for Drug Evaluation and Research (CDER)**

**December 2022  
Pharmaceutical Quality/CMC**

**Revision 2**

---

# ANDAs: Pre-Submission Facility Correspondence Related to Prioritized Generic Drug Submissions

## Guidance for Industry

*Additional copies are available from:  
Office of Communications, Division of Drug Information  
Center for Drug Evaluation and Research  
Food and Drug Administration  
10001 New Hampshire Ave., Hillandale Bldg., 4<sup>th</sup> Floor  
Silver Spring, MD 20993-0002  
Phone: 855-543-3784 or 301-796-3400; Fax: 301-431-6353  
Email: [druginfo@fda.hhs.gov](mailto:druginfo@fda.hhs.gov)  
<https://www.fda.gov/drugs/guidance-compliance-regulatory-information/guidances-drugs>*

**U.S. Department of Health and Human Services  
Food and Drug Administration  
Center for Drug Evaluation and Research (CDER)**

**December 2022  
Pharmaceutical Quality/CMC**

**Revision 2**

*Contains Nonbinding Recommendations*

*Draft — Not for Implementation*

**TABLE OF CONTENTS**

<b>I.</b>	<b>INTRODUCTION</b> .....	<b>1</b>
<b>II.</b>	<b>BACKGROUND</b> .....	<b>2</b>
<b>III.</b>	<b>SCOPE</b> .....	<b>2</b>
<b>IV.</b>	<b>PRE-SUBMISSION FACILITY CORRESPONDENCE – CONTENTS</b> .....	<b>3</b>
<b>A.</b>	<b>Drug Substance and Drug Product Manufacturing and Testing Facilities</b> .....	<b>4</b>
<b>B.</b>	<b>Clinical Bioequivalence Study Sites and Organizations</b> .....	<b>5</b>
<b>C.</b>	<b>Analytical Bioequivalence Sites and Organizations</b> .....	<b>5</b>
<b>V.</b>	<b>RECEIPT AND ASSESSMENT PROCESS FOR PRE-SUBMISSION FACILITY CORRESPONDENCE</b> .....	<b>9</b>
<b>A.</b>	<b>Submitting the PFC through FDA’s Electronic Submissions Gateway (ESG)</b> .....	<b>9</b>
<b>B.</b>	<b>ANDA Submission Timing</b> .....	<b>10</b>
<b>VI.</b>	<b>NOTIFICATIONS TO THE APPLICANT</b> .....	<b>11</b>
<b>A.</b>	<b>Pre-Submission Facility Correspondence Acknowledgement Letter</b> .....	<b>11</b>
<b>B.</b>	<b>Determining Whether an ANDA Qualifies for the Priority Review Goal</b> .....	<b>11</b>
<b>VII.</b>	<b>QUESTIONS AND ANSWERS</b> .....	<b>12</b>
<b>A.</b>	<b>What types of submissions are addressed by this guidance?</b> .....	<b>12</b>
<b>B.</b>	<b>What is the rationale for the manufacturing records listed in Table 1?</b> .....	<b>12</b>
<b>C.</b>	<b>What is the purpose of the certification statement to which Section V refers?</b> .....	<b>12</b>
<b>D.</b>	<b>What is considered a significant change?</b> .....	<b>13</b>
<b>E.</b>	<b>Can a final bioequivalence study report in an ANDA impact a priority goal date?</b> .....	<b>13</b>
<b>F.</b>	<b>Should an ANDA include facility information already provided in a PFC?</b> .....	<b>13</b>
<b>G.</b>	<b>Should an applicant submit more of its ANDA in the PFC than is recommended in this guidance?</b> .....	<b>14</b>
<b>H.</b>	<b>Should the facilities be ready for inspection at the time of PFC submission?</b> .....	<b>14</b>
<b>I.</b>	<b>Is there a user fee payment required when submitting the PFC for an original ANDA?</b> .....	<b>14</b>
<b>VIII.</b>	<b>GLOSSARY</b> .....	<b>16</b>
<b>A.</b>	<b>Complete and Accurate PFC</b> .....	<b>16</b>
<b>B.</b>	<b>Facility</b> .....	<b>16</b>
<b>C.</b>	<b>PFC</b> .....	<b>16</b>
<b>D.</b>	<b>Priority</b> .....	<b>16</b>
<b>E.</b>	<b>Priority Review</b> .....	<b>17</b>
<b>F.</b>	<b>Priority Review Goal</b> .....	<b>17</b>
<b>G.</b>	<b>Significant Changes</b> .....	<b>17</b>

*Contains Nonbinding Recommendations*

*Draft — Not for Implementation*

1           **ANDAs: Pre-Submission Facility Correspondence Related to**  
2                   **Prioritized Generic Drug Submissions**  
3                   **Guidance for Industry<sup>1</sup>**  
4

5  
6 This draft guidance, when finalized, will represent the current thinking of the Food and Drug  
7 Administration (FDA or Agency) on this topic. It does not establish any rights for any person and is not  
8 binding on FDA or the public. You can use an alternative approach if it satisfies the requirements of the  
9 applicable statutes and regulations. To discuss an alternative approach, contact the FDA staff responsible  
10 for this guidance as listed on the title page.  
11

12  
13  
14  
15 **I. INTRODUCTION**  
16

17 The Food and Drug Administration (FDA) is issuing this revised draft guidance to incorporate  
18 program enhancements related to the content, timing, and assessment of a pre-submission facility  
19 correspondence (PFC)<sup>2</sup> within the abbreviated new drug application (ANDA) assessment  
20 program<sup>3</sup> agreed upon by the Agency and industry as part of the reauthorization of the Generic  
21 Drug User Fee Amendments (GDUFA III), as described in *GDUFA Reauthorization*  
22 *Performance Goals and Program Enhancements, Fiscal Years 2023 through 2027* (GDUFA III  
23 commitment letter).<sup>4</sup> This guidance replaces the November 2017 draft guidance for industry on  
24 *ANDAs: Pre-Submission of Facility Information Related to Prioritized Generic Drug*  
25 *Applications (Pre-Submission Facility Correspondence)*.<sup>5</sup>  
26

27 In general, FDA’s guidance documents do not establish legally enforceable responsibilities.  
28 Instead, guidances describe the Agency’s current thinking on a topic and should be viewed only  
29 as recommendations, unless specific regulatory or statutory requirements are cited. The use of  
30 the word *should* in Agency guidances means that something is suggested or recommended, but  
31 not required.  
32  
33  
34

---

<sup>1</sup> This guidance has been prepared by a multidisciplinary workgroup including members from the Office of Pharmaceutical Quality, the Office of Translational Sciences, the Office of Generic Drugs, and the Office of Business Informatics in the Center for Drug Evaluation and Research at the Food and Drug Administration, and in consultation with the Office of Regulatory Affairs, the Office of Combination Products, and the Center for Devices and Radiological Health.

<sup>2</sup> In this guidance, terms that are found in Section VIII, the Glossary, are bolded at first use.

<sup>3</sup> In this guidance, the terms “review” and “assessment” are used interchangeably.

<sup>4</sup> The GDUFA III commitment letter is available at <https://www.fda.gov/media/153631/download>.

<sup>5</sup> FDA issued the previous revised draft pursuant to 21 CFR 10.115 in November 2017. See Federal Register notice at 82 FR 51421.

## *Contains Nonbinding Recommendations*

*Draft — Not for Implementation*

### 35 **II. BACKGROUND**

36  
37 The Generic Drug User Fee Amendments of 2012 (GDUFA I)<sup>6</sup> amended the FD&C Act to  
38 authorize FDA to assess and collect user fees to provide FDA with resources<sup>7</sup> to help ensure  
39 patients have access to quality, affordable, safe, and effective generic drugs. GDUFA fee  
40 resources bring greater predictability and timeliness to the review of generic drug applications.  
41 GDUFA has been reauthorized every 5 years to continue FDA’s ability to assess and collect  
42 GDUFA fees, and this user fee program has been reauthorized two times since GDUFA I, most  
43 recently in the Generic Drug User Fee Amendments of 2022.<sup>8</sup> As described in the GDUFA III  
44 commitment letter applicable to this latest reauthorization, FDA has agreed to performance goals  
45 and program enhancements regarding aspects of the generic drug assessment program that build  
46 on previous authorizations of GDUFA. New enhancements to the program are designed to  
47 maximize the efficiency and utility of each assessment cycle, with the intent of reducing the  
48 number of assessment cycles for ANDAs and facilitating timely access to generic medicines for  
49 American patients.

### 50 51 52 **III. SCOPE**

53  
54 This revised draft guidance generally references the terms of the GDUFA III commitment letter  
55 and describes and provides recommendations on the content, timing, and assessment of a PFC  
56 for a **priority** ANDA, such that the ANDA will be eligible for **priority review** under the  
57 provisions of the GDUFA III commitment letter.<sup>9,10</sup> This guidance also provides information  
58 regarding FDA’s assessment process for a PFC. Specifically, the guidance describes:

- 59  
60 • the content and format of the **facility** information that should be submitted to enable  
61 FDA’s assessment of **facilities** listed in the PFC;

---

<sup>6</sup> Title III of the Food and Drug Administration Safety and Innovation Act, Public Law 112-144.

<sup>7</sup> User fees are available for obligation in accordance with appropriations acts.

<sup>8</sup> Title III of Division F (the FDA User Fee Reauthorization Act of 2022) of the Continuing Appropriations and Ukraine Supplemental Appropriations Act, 2023.

<sup>9</sup> On August 18, 2017, the FDA Reauthorization Act (FDARA) (Public Law 115-52), which reauthorized GDUFA (Title III) and added other provisions related to generic drugs (Title VIII), was signed into law. FDARA added section 505(j)(11) to the FD&C Act, which provides for priority review of certain original ANDAs, while permitting FDA to otherwise prioritize applications, as done under the GDUFA III commitment letter (which defines priority submissions to include those submissions affirmatively identified as eligible for expedited assessment pursuant to CDER’s MAPP 5240.3 Prioritization of the Review of Original ANDAs, Amendments, and Supplements (Prioritization MAPP)). Accordingly, as described in the glossary to this revised draft guidance, FDA intends to consider an ANDA to be a priority ANDA if it meets the criteria listed in section 505(j)(11) of the FD&C Act, with respect to an original ANDA, or if it meets the criteria in the Prioritization MAPP. The criteria for affording an original ANDA priority status under the Prioritization MAPP and the terms of the GDUFA III commitment letter are generally broader than under section 505(j)(11), and certain prior approval supplements (PASs), PAS amendments, and ANDA amendments are also eligible for prioritization under the MAPP and the commitment letter; see also the GDUFA III commitment letter, sections I.A.2, I.B, and I.A.5. The applications granted priority review under section 505(j)(11) generally represent a subset of the applications eligible for priority review under the GDUFA III commitment letter.

<sup>10</sup> ANDAs that are not eligible for priority review under section 505(j)(11) or the GDUFA III commitment letter because of failure to follow the applicable PFC process and/or criteria might still receive an expedited review under the Prioritization MAPP, but the standard review goal will apply.

## *Contains Nonbinding Recommendations*

*Draft — Not for Implementation*

- 62
- 63
- 64
- 65
- 66
- 67
- 68
- 69
- 70
- 71
- timeframes for the PFC, and the intersection of these timeframes with submission of an ANDA;
  - the possible outcomes of the Agency’s assessment of a PFC; and,
  - when and how the Agency communicates with an applicant about receipt of the PFC and assignment of a goal date for the ANDA.

#### 72 **IV. PRE-SUBMISSION FACILITY CORRESPONDENCE – CONTENTS**

73

74 A **complete and accurate PFC** should contain all information needed to inform FDA’s decision

75 regarding the need for facility inspections that support the assessment of an ANDA.<sup>11</sup> The PFC

76 provides the information FDA needs to assess the facilities involved in manufacturing processes

77 and testing of the drug product, including facilities in corresponding Type II active

78 pharmaceutical ingredient drug master files (API DMFs) referenced in an ANDA,<sup>12</sup> and all sites

79 or organizations involved in bioavailability/bioequivalence analytical and clinical studies used to

80 support an ANDA.<sup>13</sup>

81

82 FDA assesses facility information submitted in a PFC<sup>14</sup> to determine earlier in the review cycle

83 for the subsequent application submission whether an inspection is necessary. In order to qualify

84 for a **priority review goal**, an applicant should submit a PFC no later than 60 days prior to the

85 date of ANDA submission. In general, under the terms of the GDUFA III commitment letter, if

86 the PFC is found to be incomplete or inaccurate, or there are **significant changes** to information

87 contained in a PFC when submitted in the ANDA, or if information received in a final

88 bioequivalence study report included in the ANDA leads FDA to a decision that an inspection is

---

<sup>11</sup> See compliance programs 7348.003: *In Vivo Bioavailability-Bioequivalence Studies – Clinical*, 7348.004: *In Vivo Bioavailability – Analytical*, and 7346.832: *Preapproval Inspections*.

<sup>12</sup> Section II.F.1.b of the GDUFA III commitment letter clarifies that information needed to inform FDA’s decision regarding the need for a preapproval inspection, such as a description of the drug substance manufacturing process, is not required to be duplicated in the PFC if it is included in a corresponding Type II DMF. If an ANDA does not reference a Type II DMF, all information needed to inform FDA’s decision regarding the need for a preapproval inspection should be provided in the PFC by the ANDA applicant.

<sup>13</sup> An applicant is responsible for identifying all the facilities that impact its ANDA, including the name and address of each API and drug product manufacturer (i.e., facility). In addition, an applicant must also submit a complete bioequivalence study report in their ANDA; see 21 CFR 314.70, 314.94, and 314.96 for requirements related to content of ANDAs.

<sup>14</sup> See the GDUFA III commitment letter, section II.F.1.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

89 necessary,<sup>15</sup> the 10-month standard review goal will generally apply instead of the priority  
90 review goal.<sup>16</sup>

91  
92 The complete and accurate PFC<sup>17</sup> must be submitted in the electronic common technical  
93 document (eCTD) format.<sup>18</sup>

### 94 95 **A. Drug Substance and Drug Product Manufacturing and Testing Facilities**

96  
97 Preapproval evaluations and inspections support the assessment of an ANDA by ensuring that  
98 any facility named or referenced in support of an ANDA can perform a proposed manufacturing  
99 operation as described in the application, in conformance with current good manufacturing  
100 practice requirements, and that manufacturing data submitted in the ANDA are accurate and  
101 complete. FDA utilizes a risk-based approach to assess whether a preapproval inspection (PAI) is  
102 needed before an ANDA can be approved from a quality perspective. This approach focuses on  
103 understanding risks to critical quality attributes<sup>19</sup> associated with a facility, process, or product.<sup>20</sup>

104  
105 A complete and accurate PFC should provide the information necessary for FDA to determine  
106 each facility's manufacturing operation capabilities for drug product<sup>21</sup> or API,<sup>22</sup> and to identify  
107 the need for a PAI. This information should include a description of the manufacturing process,  
108 controls of critical steps, and anticipated differences between pilot/exhibit scale and commercial

---

<sup>15</sup> To note, in implementing section 505(j)(11) of the FD&C Act for priority review of certain original ANDAs, FDA determined (per authority to identify necessary information in that context) that a final bioequivalence study report is required to make a determination under that provision regarding whether an inspection of a facility is necessary. Thus, a PFC submission under section 505(j)(11) without the final study report would not qualify the ANDA for priority review under that provision. However, for purposes of priority review under the GDUFA III commitment letter, FDA agreed that a prospective applicant can submit a PFC without the final bioequivalence study report and qualify for a priority review goal, if certain conditions are met. Notably, if the data and information contained in that report as submitted in the ANDA do not raise issues that provide a basis for inspection of the facility, the ANDA will receive a priority goal date under the GDUFA III commitment letter. If that data and information do raise issues that provide a basis for inspection, the ANDA will not receive a priority goal date under the GDUFA III commitment letter.

<sup>16</sup> See the GDUFA III commitment letter, sections I.A.2.b, I.A.6, I.B.2.c, and I.B.4.c. Of note, FDA will only review the original PFC submitted by an applicant. If FDA determines a PFC is not complete and accurate, as described in the GDUFA III commitment letter, the PFC may not be revised, and no additional review of the PFC will be undertaken. In such cases, FDA intends to assess and act on the ANDA within 10 months of the date of ANDA submission.

<sup>17</sup> See the GDUFA III commitment letter, section II.F.1.

<sup>18</sup> The electronic submission requirements of Section 745A(a) of the FD&C Act are implemented in the FDA guidance for industry *Providing Regulatory Submissions in Electronic Format — Certain Human Pharmaceutical Product Applications and Related Submissions Using the eCTD Specifications, Revision 7* (February 2020). We update guidances periodically. For the most recent version of a guidance, check the FDA guidance web page at <https://www.fda.gov/regulatory-information/search-fda-guidance-documents>. See also eCTD Technical Conformance Guide, at <https://www.fda.gov/drugs/electronic-regulatory-submission-and-review/ectd-resources>.

<sup>19</sup> See FDA guidances for industry *Q8(R2) Pharmaceutical Development* (November 2009) and *Q11 Development and Manufacture of Drug Substances* (November 2012).

<sup>20</sup> See compliance program 7346.832: *Preapproval Inspections*.

<sup>21</sup> See 21 CFR 210.3(b)(12) which states “Manufacture, processing, packing, or holding of a drug product includes packaging and labeling operations, testing, and quality control of drug products.”

<sup>22</sup> See FDA guidance for industry *Q7 Good Manufacturing Practice Guidance for Active Pharmaceutical Ingredients* (September 2016).

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

109 scale processes.<sup>23</sup> Information regarding the conformance of exhibit batches to specifications  
110 should be provided.<sup>24</sup>

111  
112 For each manufacturing facility, an applicant should also provide the following: facility name,  
113 operation(s) performed, facility contact name, address, FDA Establishment Identifier (FEI)  
114 number (if a required registrant or one has been assigned), DUNS number, registration  
115 information (for required registrants), confirmation that the facility is ready for inspection,<sup>25</sup> and  
116 certification that any Type II DMF has similarly complete and accurate facility information.<sup>26</sup>

117  
118 A summary of facility information that should be submitted in a complete and accurate PFC,  
119 including corresponding eCTD sections and eCTD Module Numbers<sup>27</sup> is provided in Table 1.

### **B. Clinical Bioequivalence Study Sites and Organizations**

122  
123 Sites or organizations that perform the clinical portions of BE studies used to support an ANDA  
124 are subject to inspection to evaluate the overall quality of subject safety and data integrity at the  
125 site.<sup>28</sup> A complete and accurate PFC should contain the information needed to inform FDA's  
126 decision regarding the need for a bioresearch monitoring inspection of these sites, including the  
127 site name, address, and website; study numbers; a list and description of all study investigators  
128 consistent with section 16.1.4 of the guidance *ICH E3 Structure and Content of Clinical Study*  
129 *Reports* (July 1996);<sup>29</sup> study conduct dates; and study protocols and any available amendments.<sup>30</sup>

130  
131 A summary of clinical site or organization information that should be submitted in a complete  
132 and accurate PFC, including corresponding eCTD sections and eCTD Module Numbers,<sup>31</sup> is  
133 included in Table 1.

### **C. Analytical Bioequivalence Sites and Organizations**

134  
135  
136  
137 Sites or organizations that perform the analytical portions of clinical bioequivalence studies or in  
138 vitro bioequivalence studies (collectively referred to as analytical sites), are subject to inspection  
139 to ensure that these studies are conducted using the highest laboratory standards and in  
140 accordance with applicable regulations.<sup>32</sup> A complete and accurate PFC should contain the  
141 information needed to inform FDA's decision regarding the need for a bioresearch monitoring  
142 inspection of analytical sites, including the site name, address, and website.

143

---

<sup>23</sup> See the GDUFA III Commitment letter section II.F.1.a.ii.

<sup>24</sup> See FDA guidance for industry *ANDA Submissions – Content and Format* (June 2019).

<sup>25</sup> See the GDUFA III commitment letter, section II.F.1.a.i.

<sup>26</sup> See the GDUFA III commitment letter, section II.F.1.a.iii.

<sup>27</sup> Per normal submission practices, information for some subsections in eCTD section 3.2.S may be incorporated through reference to a type II DMF, where a letter of authorization (LOA) has been submitted to the DMF by the DMF holder, and the Statement of Right of Reference is included by the Applicant in eCTD section 1.4.2 of the ANDA.

<sup>28</sup> See FDA compliance program 7348.003: *Bioresearch Monitoring – Clinical*.

<sup>29</sup> See ICH guidance for industry *E3 Structure and Content of Clinical Study Reports* (July 1996).

<sup>30</sup> See the GDUFA III commitment letter, section II.F.1.c; see also See 21 CFR 314.94(a)(7).

<sup>31</sup> See footnote 18.

<sup>32</sup> See FDA compliance program 7348.004: *Bioresearch Monitoring – Analytical*.



## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

144 For those analytical studies that were initiated no later than 60 days prior to the ANDA  
145 submission, additional recommendations are: a list of investigator name(s); study conduct dates;  
146 and the analytical method validation, if completed before dosing.<sup>33</sup>

147  
148 A summary of analytical site or organization information that should be submitted in a complete  
149 and accurate PFC, including corresponding eCTD sections and eCTD Module Numbers<sup>34</sup> is  
150 provided in Table 1.

---

<sup>33</sup> See the GDUFA III commitment letter, section II.F.1.d.

<sup>34</sup> See footnote 18.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

Table 1. List of Facility Information that should be submitted in the PFC for a Priority ANDA <sup>a</sup>	
eCTD Module Number	Description
1.1	<p>Form FDA 356h<sup>b,c</sup> — the Form FDA 356h should be submitted with the PFC. Submitting the Form FDA 356h will enable the Agency to expedite processing of the PFC. Consider the following when submitting a Form FDA 356h associated with a PFC:</p> <ul style="list-style-type: none"> <li>• “Submission” Field— this field accommodates selection of all the choices that apply. For a PFC related to a priority ANDA, select “Product Correspondence” and “Other.” In the “Other” field, specify that this is a “Pre-Submission of Facility Information Related to a Priority ANDA.” This option should be selected for PASs, PAS amendments, and ANDA amendments, as well as for original ANDAs.</li> <li>• “Submission Sub-Type” Field – for this field, select “Pre-submission.”</li> </ul>
1.2	<p>Cover Letter — the Cover Letter accompanying the PFC should include:</p> <ul style="list-style-type: none"> <li>• Statement of inspection readiness</li> <li>• Statement identifying the Reference Listed Drug</li> <li>• Anticipated date of original ANDA, PAS, PAS amendment, or ANDA amendment submission</li> </ul>
1.3.1.2	U.S. Agent Appointment Letter (if applicable)
1.4.2	Statement of Right of Reference – this includes the DMF Right of Reference Letter, if applicable
2.7	Summary of Biopharmaceutical Studies and Associated Analytical Methods (Tables 2 and 10) <sup>d</sup>
3.2.S.1.1	Nomenclature <sup>e</sup>
3.2.S.1.2	Structure <sup>e</sup>
3.2.S.1.3	General Properties <sup>e</sup>
3.2.S.2.1	Manufacturer(s) <sup>f</sup>
3.2.S.2.2	Drug Substance Manufacturing Process Description <sup>g</sup>
3.2.S.2.4	Control of Critical Steps and Intermediates <sup>g</sup>
3.2.S.2.6	Manufacturing Process Development <sup>g</sup>
3.2.S.4.1	Drug Substance Specifications
3.2.S.4.4	Batch Analyses
3.2.P.1	Description and Composition of the Drug Product
3.2.P.2	Pharmaceutical Development — Manufacturing Process Development
3.2.P.3.1	Manufacturer(s)
3.2.P.3.2	Batch Formula
3.2.P.3.3	Description of Manufacturing Process and Process Controls
3.2.P.3.4	Control of Critical Steps and Intermediates
3.2.P.3.5	Sterilization Validation Documentation and Data <sup>h</sup>
3.2.P.5.1	Drug Product Specifications
3.2.P.5.4	Batch Analyses

## Contains Nonbinding Recommendations

Draft — Not for Implementation

3.2.P.7	Facility Information for Non-Drug Constituent Parts of a Combination Product
5.3.1.2	Information related to bioequivalence and clinical studies. Specifically: <ul style="list-style-type: none"><li>• Site names, addresses, and websites</li><li>• Study Titles</li><li>• Study Numbers</li><li>• Study Conduct Dates</li><li>• Study Protocol and Available Amendments – ICH E3 (16.1.1)<sup>i</sup></li><li>• List and Description of all Study Investigators – ICH E3 (16.1.4)<sup>i</sup></li><li>• Study Report if available at the time of the PFC</li></ul>
5.3.1.4	Information related to analytical studies. Specifically: <ul style="list-style-type: none"><li>• Site names, addresses, and websites</li><li>• Study Titles</li><li>• Study Numbers</li><li>• Study Conduct Dates</li><li>• A list of investigator name(s)</li><li>• Analytical Method Validation Report(s) if the analytical method validation was completed before dosing</li><li>• Study Report if available at the time of the PFC</li></ul>

151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177

<sup>a</sup> See 21 CFR 314.70, 314.94, 314.96 and 314.97 for requirements related to ANDA content.

<sup>b</sup> See FDA’s guidance for industry, *Identification of Manufacturing Establishments in Applications Submitted to CBER and CDER Questions and Answers* (October 2019).

<sup>c</sup> See draft guidance for industry *Facility Readiness: Goal Date Decisions Under GDUFA* (October 2022). When final, this guidance will represent the FDA’s current thinking on this topic.

<sup>d</sup> See Model Bioequivalence Data Summary Tables: Technical Specifications Document, at <https://www.fda.gov/media/75081/download>.

<sup>e</sup> See section III.C.1, Topic 3.2.S.1 in FDA’s guidance for industry *ANDA Submissions — Content and Format of Abbreviated New Drug Applications* (June 2019), which states that 3.2.S.1 “should not include any references to the DMF.”

<sup>f</sup> See section III.C.1, Topic 3.2.S.2.1 in FDA’s guidance for industry *ANDA Submissions — Content and Format of Abbreviated New Drug Applications* (June 2019), which states that 3.2.S.2.1 “Contains information about each drug substance manufacturer, including...Type II DMF number for the API or any critical or final intermediates, if applicable.”

<sup>g</sup> See section III.C.1, Topics 3.2.S.2.2 through 3.2.S.2.6 in FDA’s guidance for industry *ANDA Submissions — Content and Format* (June 2019), which states that that “Subsections 3.2.S.2.2 through 3.2.S.2.6 may refer to the DMF. If there is no DMF referenced in the application, detailed information should be provided in these subsections.”

<sup>h</sup> For further information on sterilization validation documentation expectations in a marketing application, see FDA’s guidance for industry for the *Submission Documentation for Sterilization Process Validation in Applications for Human and Veterinary Drug Products* (November 1994).

<sup>i</sup> See ICH guidance for industry *E3 Structure and Content of Clinical Study Reports* (July 1996).

NOTE — For PASs, PAS amendments, and ANDA amendments, only the modules applicable to these types of submissions should be submitted.<sup>35</sup>

<sup>35</sup> See 21 CFR 314.70, 314.96, and 314.97.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

178 With regard to combination products (as defined in 21 CFR 3.2(e))<sup>36</sup> and the facility information  
179 related to the manufacturing and testing of non-drug constituent parts,<sup>37</sup> refer to both the eCTD  
180 Technical Conformance Guide<sup>38</sup> and guidance for industry: *Identification of Manufacturing*  
181 *Establishments in Applications Submitted to CBER and CDER – Questions and Answers*  
182 (October 2019).<sup>39</sup>

183

184

### **V. RECEIPT AND ASSESSMENT PROCESS FOR PRE-SUBMISSION FACILITY CORRESPONDENCE**

187

188 The following section describes the process for the receipt and assessment of the PFC related to a  
189 priority ANDA.

190

#### **A. Submitting the PFC through FDA’s Electronic Submissions Gateway (ESG)**

192

##### **1. Obtaining a Pre-Assigned ANDA Number (if applicable)**

194

195 For original ANDAs, the applicant should request a pre-assigned ANDA number before  
196 submitting the PFC. For PASs, PAS amendments, and ANDA amendments, the applicant should  
197 use the relevant ANDA application number on the Form FDA 356h.

198

##### **2. Transmitting the PFC through FDA’s ESG**

200

201 The PFC must be submitted electronically in eCTD format<sup>40</sup> through the FDA ESG following  
202 the Agency’s instructions.<sup>41</sup> When transmitting the PFC through the ESG, choose “CDER” when  
203 selecting the appropriate Center, and choose “eCTD” when selecting the submission type.

204

205 The applicant should submit the priority ANDA consistent with the “ANDA Submission  
206 Timing” described in section V.B. (below). If the applicant decides not to submit the ANDA  
207 after submitting the PFC, FDA should be notified in writing. The notice of decision not to submit

---

<sup>36</sup> A combination product is a product composed of two or more different types of medical products (i.e., a combination of a drug, device, and/or biological product with one another). The drugs, devices, and biological products included in combination products are referred to as “constituent parts” of the combination product. See section 503(g) of the FD&C Act and 21 CFR part 3.

<sup>37</sup> See 21 CFR part 4. See also guidance for industry *Current Good Manufacturing Practice Requirements for Combination Products* (January 2017), section II.C “Overview of the final rule.”

<sup>38</sup> For additional information on how to incorporate information regarding non-drug constituent parts into the eCTD Sequence, please refer to the eCTD Technical Conformance Guide at <https://www.fda.gov/drugs/developmentapprovalprocess/formssubmissionrequirements/electronic submissions/ucm535180.htm>.

<sup>39</sup> For additional information on how to incorporate information regarding non-drug constituent parts into the eCTD Sequence, please refer to the guidance for industry *Identification of Manufacturing Establishments in Applications Submitted to CBER and CDER – Questions and Answers* (October 2019).

<sup>40</sup> See footnote 18.

<sup>41</sup> See the Electronic Submissions Gateway web page at <https://www.fda.gov/forIndustry/ElectronicSubmissionsGateway/default.htm> for technical details related to submitting documents through FDA’s Electronic Submission Gateway.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

208 the ANDA should reference the submission number and be submitted to eCTD section 1.2,  
209 Cover Letter.

210  
211 3. FDA’s Assessment of the PFC

212  
213 The Agency will begin assessment of the PFC upon receipt. FDA will send a letter to the  
214 applicant to acknowledge receipt of the PFC. FDA will assess priority status and assign the  
215 appropriate review goal date after the ANDA is submitted<sup>42</sup> as further explained in Section VI.B  
216 (below).

### **B. ANDA Submission Timing**

217  
218  
219  
220 In order for an ANDA to be eligible to receive priority review, the PFC should be submitted not  
221 later than 60 days prior to the submission of the ANDA itself.<sup>43</sup> This timing allows the Agency  
222 to begin assessing the facility information before receiving the ANDA.

223  
224 Additionally, an ANDA should not contain any significant changes to the information submitted  
225 in the PFC.<sup>44</sup> To minimize the possibility of significant changes to facility information between  
226 submission of the PFC and the ANDA (and consequently loss of the priority review goal), FDA  
227 recommends applicants submit the PFC not earlier than 90 days before submission of the ANDA  
228 and refer to guidance for industry *Providing Regulatory Submissions in Electronic Format –*  
229 *Receipt Dates* (February 2014)<sup>45</sup> for further details.

230  
231 For example:

232  
233 1. If an original ANDA was submitted on Monday, February 12, 2024, then the PFC would  
234 have to have been submitted not later than Thursday, December 14, 2023, to be consistent with  
235 the criterion that the PFC be submitted not later than 60 days prior to the submission of the  
236 ANDA.

237 2. If an original ANDA was submitted on Thursday, November 16, 2023, then the PFC  
238 would have to have been submitted not later than Friday, September 15, 2023. This scenario  
239 accounts for the not later than 60 days period ending on a weekend.

240 3. If an original ANDA was submitted on Thursday, July 4, 2024, then the PFC would have  
241 to have been submitted not later than Monday, May 6, 2024. This scenario accounts for a Federal  
242 Holiday.

243  
244 The applicant should submit a signed certification statement during ANDA submission (in eCTD  
245 section 1.2) stating that the applicant has 1) made no significant changes (as described in the

---

<sup>42</sup> See Section III (Scope) and footnotes 9 and 10.

<sup>43</sup> The GDUFA III commitment letter sections I.A.2.a, I.A.5.b, I.B.2.b, and I.B.4.b refer to the submission of the PFC “not later than 60 days prior to the date of ANDA submission” in order to be eligible for the 8-month priority review goal. See also section 505(j)(11)(B) of the FD&C Act.

<sup>44</sup> See the GDUFA III commitment letter sections I.A.2.b.iii, I.A.6.c, I.B.2.c.iii and I.B.4.c.iii.

<sup>45</sup> See footnote 18.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

246 GDUFA III commitment letter)<sup>46</sup> to the information contained in the PFC or 2) has made no  
247 changes except to exclude a facility not involved in generating data for the application as  
248 described in section 505(j)(11)(B) of the FD&C Act.

249  
250 Significant changes between PFC and ANDA submission will result in assignment of the  
251 standard review goal.<sup>47</sup> Such significant changes should be made by including information  
252 regarding the significant changes in the appropriate eCTD module with the ANDA submission.  
253 Such significant changes should be identified in the cover letter.

254  
255 FDA’s review of the ANDA, which will include an assessment and determination of whether the  
256 ANDA meets the priority designation criteria, will be performed in accordance with its  
257 applicable statutory and regulatory authorities and policies, and procedures for ANDA reviews.  
258 At the time of receipt, FDA will notify the applicant in the ANDA acknowledgement letter  
259 whether the ANDA or PAS is subject to priority review.

260

261

### **VI. NOTIFICATIONS TO THE APPLICANT**

262

263

264

#### **A. Pre-Submission Facility Correspondence Acknowledgement Letter**

265

266

As part of its assessment of the PFC, the Agency will send a letter to:

267

268

269

270

271

272

273

274

275

- Inform the applicant that a goal date incorporating any priority designation determination will be provided after submission and receipt for assessment of the ANDA; and
- Remind the applicant that they must not submit their ANDA earlier than 60 days after the date of submission of the PFC date to be eligible for the priority review goal.<sup>48</sup>

276

277

278

279

The Pre-Submission Facility Correspondence Acknowledgement Letter simply acknowledges receipt of the PFC by the Agency. Eligibility for the priority review goal based on the PFC is determined by FDA when an ANDA is submitted.

280

281

#### **B. Determining Whether an ANDA Qualifies for the Priority Review Goal**

282

283

284

285

After receiving the ANDA, FDA will determine the applicable goal date for the submission. Establishing the applicable goal date for the ANDA is based on the Agency’s priority designation determination at the time of ANDA submission; assessment of whether the applicant submitted a complete and accurate PFC, including confirmation that all facilities are ready for

---

<sup>46</sup> The GDUFA III commitment letter, section II.F.2 states that: “Changes to information contained in a PFC when submitted in an ANDA that are considered a ‘significant change’ include changes in the identified facilities for manufacture of the drug substance or drug product, the proposed manufacturing operations or operating principles, and the order of manufacturing unit operations.”

<sup>47</sup> See footnote 44.

<sup>48</sup> See footnote 43.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

286 inspection; and determination that the information submitted in the ANDA does not differ  
287 significantly from what was submitted in the PFC.<sup>49</sup> The Agency will convey the outcome and  
288 resulting goal date in the ANDA acknowledgement letter.

289  
290

### **VII. QUESTIONS AND ANSWERS**

291

#### **A. What types of submissions are addressed by this guidance?**

292

293 This revised draft guidance includes recommendations for, and applies to, priority original  
294 ANDAs, PASs, PAS amendments, and ANDA amendments.

295

#### **B. What is the rationale for the manufacturing records listed in Table 1?**

296

297 A complete and accurate PFC supports GDUFA III performance goals and program  
298 enhancements designed to maximize the efficiency and utility of each ANDA assessment cycle.  
299 To this end, FDA evaluated the records and information required for an ANDA submission to  
300 determine which specific records would allow FDA to determine, earlier in the ANDA  
301 assessment cycle, if an inspection is necessary to support the assessment of an ANDA.

302

303 As described in FDA compliance program 7346.832: *Preapproval Inspections*, FDA determines  
304 the need for PAIs based on the cumulative assessment of process, product, and facility risks  
305 related to the pending application. Manufacturing information contained in the PFC provides  
306 FDA the ability to perform this assessment and determine the need for a PAI earlier in the  
307 ANDA assessment process. For example, information contained in a PFC related to  
308 manufacturing process development, description of the manufacturing process and controls,  
309 controls for critical steps, sterilization validation, specifications, and batch analyses allows FDA  
310 to assess whether manufacturing operations were designed and implemented accounting for  
311 knowledge gained during development, were executed as intended in support of the application,  
312 and that such operations reflect the intended commercial operations. The list of manufacturing  
313 sites, proposed manufacturing operations, and description of manufacturing process and controls  
314 allows FDA to assess the comparability of proposed operations to the known capabilities of  
315 manufacturers in the context of their current compliance status. If there are significant  
316 differences between the process used for the development/exhibit batches and the proposed  
317 commercial manufacturing process, or if FDA has concerns about knowledge transfer, this could  
318 indicate the need for an inspection.

319

#### **C. What is the purpose of the certification statement to which Section V refers?**

320

321 The certification statement is the applicant's signed statement that the PFC information is  
322 complete and accurate, and the information submitted in the ANDA does not differ significantly  
323 from what was submitted in the PFC, as is a condition for priority review goal eligibility under  
324 the terms of the GDUFA III commitment letter.<sup>50</sup>

325

---

<sup>49</sup> See the GDUFA III commitment letter, section II.F.

<sup>50</sup> See footnote 44.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

330 Applicants that include significant changes to the PFC information in their submitted ANDA  
331 should omit the certification statement and identify such significant changes in the cover letter.  
332 Such changes will generally result in assignment of the standard review goal.<sup>51</sup>  
333

### **D. What is considered a significant change?**

336 Significant changes represent any changes to the facility information as submitted in an ANDA,  
337 relative to information submitted in the PFC, that have the potential to introduce or increase  
338 risk(s) to critical quality attributes associated with the facility or the process.<sup>52</sup> A priority  
339 ANDA<sup>53</sup> is eligible for a priority review goal only when there are no significant changes  
340 between information contained in the PFC and that submitted in the ANDA. Significant changes  
341 include, but are not limited to, changes in the identified facilities for manufacture of the drug  
342 substance or drug product, the proposed manufacturing operations or operating principles, or the  
343 order of manufacturing unit operations.<sup>54</sup> Significant changes may alter FDA's initial decision  
344 regarding the need for a PAI, resulting in the decision to conduct an inspection that was not  
345 deemed necessary at the time of PFC assessment. In the case of significant changes, the standard  
346 review goal would apply.

347  
348 Certain revisions of information contained in the PFC when submitted in the ANDA may not be  
349 considered a significant change, in that a decision on the need for an inspection would not  
350 require reconsideration based on such changes. For example, finalization of the development  
351 report without changes to the manufacturing process or control strategy, finalization of process  
352 parameters, or the final designation of commercial equipment without changes in design or  
353 operating principle are changes that may not be considered significant.

### **E. Can a final bioequivalence study report in an ANDA impact a priority goal date?**

355  
356  
357 Although an ANDA applicant may submit the final bioequivalence study report (clinical and/or  
358 analytical) at the same time as a PFC, a final bioequivalence study report is not a condition for a  
359 complete and accurate PFC under the terms of the GDUFA III commitment letter. If an applicant  
360 submits the final bioequivalence study report with a complete and accurate PFC and FDA  
361 determines that an inspection is needed, the priority goal date may still apply. However, if an  
362 applicant instead submits their final bioequivalence study report at the time of ANDA  
363 submission and FDA determines, upon assessment of the final bioequivalence study report, that  
364 an inspection of the relevant site or sites is necessary, the standard 10-month goal date will apply  
365 under the terms of the GDUFA III commitment letter.<sup>55</sup>  
366

### **F. Should an ANDA include facility information already provided in a PFC?**

367  
368  
369

---

<sup>51</sup> Ibid.

<sup>52</sup> See footnote 1919.

<sup>53</sup> FDA intends to consider an ANDA to be a priority ANDA per the GDUFA III commitment letter if it is prioritized under the Prioritization MAPP.

<sup>54</sup> See footnote 46.

<sup>55</sup> See the GDUFA III commitment letter, section I.A.2.b.iv.



## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

370 No. The applicant should not re-submit the facility information contained in the PFC. However,  
371 if there have been any significant changes since submission of the PFC, the new information  
372 must be included in the ANDA<sup>56</sup> and should be identified in the cover letter.

373

374 **G. Should an applicant submit more of its ANDA in the PFC than is**  
375 **recommended in this guidance?**

376

377 Only the information listed in section IV of this revised draft guidance should be submitted in the  
378 PFC. A PFC including this information will be considered a complete and accurate PFC under  
379 the terms of the GDUFA III commitment letter.<sup>57</sup>

380

381 **H. Should the facilities be ready for inspection at the time of PFC submission?**

382

383 The PFC should include confirmation that all facilities involved in manufacturing processes for  
384 the ANDA and corresponding Type II API DMF are ready for inspection.<sup>58</sup> The PFC does not  
385 need to include confirmation that sites or organizations involved in bioequivalence and clinical  
386 studies, or analytical studies used to support the ANDA submission are ready for inspection, as  
387 FDA will make inspection determinations for these sites or organizations during assessment of  
388 the ANDA.<sup>59</sup>

389

390 Under the terms of the GDUFA III commitment letter, for original ANDAs only, if at the time of  
391 ANDA submission, any facilities involved in manufacturing processes and testing for the ANDA  
392 and corresponding Type II API DMFs are no longer ready for inspection, as indicated in the  
393 Form FDA 356h, FDA will set a goal date that is 15 months from the date of original ANDA  
394 submission.<sup>60</sup> If the applicant previously submitted an otherwise complete and accurate PFC  
395 prior to original ANDA submission, and an amendment stating that all facilities are ready for  
396 inspection is submitted at least 30 days prior to the 15-month goal date expiration, FDA will  
397 reassign a priority goal date from the date of amendment submission.<sup>61, 62</sup> This 15-month goal  
398 date extension for an original ANDA with a facility that is not ready for inspection is not  
399 applicable to sites or organizations involved in bioequivalence and clinical studies, or analytical  
400 studies used to support an ANDA.

401

402 **I. Is there a user fee payment required when submitting the PFC for an**  
403 **original ANDA?**

404

---

<sup>56</sup> See 21 CFR 314.70, 314.94, 314.96, and 314.97.

<sup>57</sup> See the GDUFA III commitment letter, section II.F.1. As described in Question E, an applicant may submit a final bioequivalence study report (clinical and/or analytical), if available, at the same time an applicant submits a PFC. A determination of priority review will still occur at the time of ANDA submission.

<sup>58</sup> See the GDUFA III commitment letter, section II.F.1.a.i.

<sup>59</sup> See the GDUFA III commitment letter, sections II.F.1.c and II.F.1.d.

<sup>60</sup> See the GDUFA III commitment letter, section I.A.3.

<sup>61</sup> See the GDUFA III commitment letter, section I.A.3.a.

<sup>62</sup> See draft guidance for industry *Facility Readiness: Goal Date Decisions Under GDUFA* (October 2022).

***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

405 No. There are no user fees associated with the PFC. Under GDUFA, an ANDA filing fee is paid  
406 at the time of the original ANDA submission.<sup>63</sup>  
407

---

<sup>63</sup> Section 744B(a)(3) of the FD&C Act. See also the Generic Drug User Fee Cover Sheet and Payment Information <https://www.fda.gov/industry/fda-user-fee-programs> for further details.

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

### 408 **VIII. GLOSSARY**

409

#### 410 **A. Complete and Accurate PFC**

411

412 A complete and accurate PFC includes: information for facilities involved in manufacturing  
413 processes, including testing, for the drug that is the subject of the application (including facilities  
414 in corresponding Type II API DMFs referenced in an application); sites or organizations  
415 involved in bioequivalence and clinical studies used to support the application;<sup>64</sup> and includes  
416 confirmation that all facilities are ready for inspection.<sup>65</sup> For manufacturing facilities, this  
417 includes information needed to inform FDA’s decision for a PAI.

418

#### 419 **B. Facility**

420

421 For the purposes of this guidance, the term “facility(-ies)” means “manufacturing site” and  
422 “bioequivalence site.”

423

424 “Manufacturing site” means all sites involved in manufacturing processes, packaging, and testing  
425 for the ANDA and corresponding Type II API DMF.<sup>66,67</sup> For the purpose of this guidance, this  
426 term refers to any manufacturing, packaging, or testing site associated with an ANDA that  
427 conducts an operation to support manufacturing or testing of the API or drug product. This  
428 includes sites listed in Type II DMFs and sites that manufacture non-drug constituent parts of a  
429 combination product. For additional information including guidance regarding those facilities  
430 that should be listed on the Form FDA 356h in support of the PFC, please refer to the FDA  
431 guidance for industry *Identification of Manufacturing Establishments in Applications Submitted*  
432 *to CBER and CDER Questions and Answers* (October 2019).

433

434 “Bioequivalence site” means all sites or organizations involved in clinical bioequivalence studies  
435 with pharmacokinetic, pharmacodynamic or clinical endpoints, and in vitro bioequivalence  
436 studies used to support the ANDA submission.<sup>68</sup> For the purposes of this guidance, this term also  
437 captures sites that conduct analytical testing in support of the ANDA.

438

#### 439 **C. PFC**

440

441 The term “PFC” refers to a submission of facility information prior to ANDA submission that  
442 enables a shorter review goal (priority review goal) for certain priority original ANDAs, PASs,  
443 PAS amendments, and ANDA amendments, if the PFC meets applicable conditions.

444

#### 445 **D. Priority**

446

447 The term “priority” refers to ANDAs that meet the relevant criteria listed in section 505(j)(11) of  
448 the FD&C Act, in order to qualify for priority review under that provision, or submissions

---

<sup>64</sup> See footnote 14.

<sup>65</sup> See footnote 17.

<sup>66</sup> See footnote 2121.

<sup>67</sup> See footnote 22.

<sup>68</sup> See 21 CFR 314.94(a)(7) and 320.24(b).

## ***Contains Nonbinding Recommendations***

*Draft — Not for Implementation*

449 identified as eligible for expedited assessment pursuant to CDER’s Manual of Policies and  
450 Procedures (MAPP) 5240.3, *Prioritization of the Review of Original ANDAs, Amendments, and*  
451 *Supplements* (Prioritization MAPP).

452

### **E. Priority Review**

454

455 The term “priority review” refers to the 8-month review provided for under section 505(j)(11) of  
456 the FD&C Act, with respect to original ANDAs subject to that provision, or the 8-month priority  
457 review goal provided for under the terms of the GDUFA III commitment letter.

458

### **F. Priority Review Goal**

460

461 The term “priority review goal” refers to the shorter 8-month goal dates identified in the GDUFA  
462 III commitment letter for priority original ANDAs, PASs, PAS amendments, and ANDA  
463 amendments that are designated priority by FDA and have submitted within the proper  
464 timeframe a complete and accurate PFC that is not significantly changed relative to the date of  
465 subsequent ANDA submission.<sup>69</sup>

466

### **G. Significant Changes**

468

469 As set forth in the GDUFA III commitment letter, the term “significant changes” includes  
470 changes to the identified facilities for manufacture of the drug substance or drug product, to the  
471 proposed manufacturing operations or operating principles, and to the order of manufacturing  
472 unit operations, when such changes are made between the time of PFC receipt and ANDA  
473 submission.<sup>70</sup>

474

475

---

<sup>69</sup> See footnote 16.

<sup>70</sup> See footnote 46.