

RED interchange API - E-Prescription / Pharmacy / Task dispensation

After a pharmacy has handed over the prescription and sent a dispense request (POST) a receipt is returned to the pharmacy for billing - see [RED interchange API - E-Prescription / Pharmacy / Task receipt](#). The receipt may be fetched again (e.g. for verification purposes) as long as the prescription is stored on the server.

The receipt request contains a FHIR bundle of type MedicationDispense. In order to create a dispense the user must be in the role of a pharmacist and use a **pharmacy SMC-B** card.

Generic example for a dispense request

```
{{baseUrl}}/{{tenant}}/Bundle
```

See [RED Interchange API - Postman Collection](#) 0303 - ERP Dispensation

Dispensation may need a signature. The signature card to be used may be specified by cardname parameter or by ip address and CardHandle of the card.

```
{{baseUrl}}/{{tenant}}/Bundle?action=$dispense&cardname={{cardname}}
```

```
{{baseUrl}}/{{tenant}}/Bundle?action=$dispense&cardreader={{cardreaderip}}&card={{cardhandle}}
```

The FHIR bundle must contain the task ID. RED will fetch the secret stored for this prescriptionID and update the task. See https://github.com/gematik/api-erp/blob/master/docs/erp_abrufen.adoc#e-rezept-abgabe-vollziehen for further description

Example for a medication dispense request (Version 1.1)

```
<Bundle xmlns="http://hl7.org/fhir">
  <id value="10000"/>
  <type value="history"/>
  <entry>
    <resource>
      <MedicationDispense xmlns="http://hl7.org/fhir">
        <id value="a7e1d25f-0b0a-40f7-b529-afda48e51b46"/>
        <meta>
          <profile value="https://gematik.de/fhir/erp/StructureDefinition/GEM_ERP_PR_MedicationDispense|1.2"/>
        </meta>
        <contained>
          <Medication>
            <id value="8e2e5e65-4c5d-49f2-8efc-c30e40838273"/>
            <meta>
              <profile value="https://fhir.kbv.de/StructureDefinition/KBV_PR_ERP_Medication_PZN|1.1.0"/>
            </meta>
            <extension url="https://fhir.kbv.de/StructureDefinition/KBV_EX_ERP_Medication_Category">
              <valueCoding>
                <system value="https://fhir.kbv.de/CodeSystem/KBV_CS_ERP_Medication_Category"/>
                <code value="00"/>
              </valueCoding>
            </extension>
            <extension url="https://fhir.kbv.de/StructureDefinition/KBV_EX_Base_Medication_Type">
              <valueCodeableConcept>
                <coding>
                  <system value="http://snomed.info/sct"/>
                  <version value="http://snomed.info/sct/900000000000207008/version/20220331"/>
                  <code value="763158003"/>
                  <display value="Medicinal product (product)"/>
                </coding>
              </valueCodeableConcept>
            </extension>
            <extension url="https://fhir.kbv.de/StructureDefinition/KBV_EX_ERP_Medication_Vaccine">
              <valueBoolean value="false"/>
            </extension>
            <extension url="http://fhir.de/StructureDefinition/normgroesse">
              <valueCode value="N3"/>
            </extension>
          </Medication>
        </contained>
      </MedicationDispense>
    </resource>
  </entry>
</Bundle>
```

```

</extension>
<code>
  <coding>
    <system value="http://fhir.de/CodeSystem/ifa/pzn"/>
    <code value="05454378"/>
  </coding>
  <text value="SUMATRIPTAN Aurobindo 100 mg Tabletten"/>
</code>
<form>
  <coding>
    <system value="https://fhir.kbv.de/CodeSystem/KBV_CS_SFHIR_KBV_DARREICHUNGSFORM"/>
    <code value="TAB"/>
  </coding>
</form>
<amount>
  <numerator>
    <extension url="https://fhir.kbv.de/StructureDefinition/KBV_EX_ERP_Medication_PackagingSize">
      <valueString value="12"/>
    </extension>
    <unit value="Tabletten"/>
  </numerator>
  <denominator>
    <value value="1"/>
  </denominator>
</amount>
<batch>
  <lotNumber value="A123456789-1"/>
  <expirationDate value="2024-12-31"/>
</batch>
</Medication>
</contained>
<identifier>
  <system value="https://gematik.de/fhir/erp/NamingSystem/GEM_ERP_NS_PrescriptionId"/>
  <value value="160.000.203.352.835.63"/>
</identifier>
<status value="completed"/>
<medicationReference>
  <reference value="#8e2e5e65-4c5d-49f2-8efc-c30e40838273"/>
  <display value="SUMATRIPTAN Aurobindo 100 mg Tabletten"/>
</medicationReference>
<subject>
  <identifier>
    <system value="http://fhir.de/sid/gkv/kvid-10"/>
    <value value="X574647564"/>
  </identifier>
</subject>
<performer>
  <actor>
    <identifier>
      <system value="https://gematik.de/fhir/sid/telematik-id"/>
      <value value="3-SMC-B-Testkarte-883110000116808"/>
    </identifier>
  </actor>
</performer>
<whenHandedOver value="2023-07-30"/>
<dosageInstruction>
  <text value="1-0-1-0"/>
</dosageInstruction>
</MedicationDispense>
</resource>
</entry>
</Bundle>

```

Example of a receipt

```

<Bundle xmlns="http://hl7.org/fhir">
  <id value="a003eb1e-0c00-0000-0003-000000000000"/>
  <meta>
    <profile value="https://gematik.de/fhir/erp/StructureDefinition/GEM_ERP_PR_Bundle|1.2"/>

```

```

</meta>
<identifier>
  <system value="https://gematik.de/fhir/erp/NamingSystem/GEM_ERP_NS_PrescriptionId"/>
  <value value="160.000.203.352.835.63"/>
</identifier>
<type value="document"/>
<timestamp value="2023-06-21T14:43:47.971+00:00"/>
<link>
  <relation value="self"/>
  <url value="https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Task/160.000.203.352.835.63/$close"/>
</link>
<entry>
  <fullUrl value="urn:uuid:372ef97a-8a2c-42d3-bac6-af65b8291aee"/>
  <resource>
    <Composition>
      <id value="372ef97a-8a2c-42d3-bac6-af65b8291aee"/>
      <meta>
        <profile value="https://gematik.de/fhir/erp/StructureDefinition/GEM_ERP_PR_Composition|1.2"
/>

        </meta>
        <extension url="https://gematik.de/fhir/erp/StructureDefinition/GEM_ERP_EX_Beneficiary">
          <valueIdentifier>
            <system value="https://gematik.de/fhir/sid/telematik-id"/>
            <value value="3-SMC-B-Testkarte-883110000116808"/>
          </valueIdentifier>
        </extension>
        <status value="final"/>
        <type>
          <coding>
            <system value="https://gematik.de/fhir/erp/CodeSystem/GEM_ERP_CS_DocumentType"/>
            <code value="3"/>
            <display value="Receipt"/>
          </coding>
        </type>
        <date value="2023-06-21T14:43:47.970+00:00"/>
        <author>
          <reference value="https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Device/1"/>
        </author>
        <title value="Quittung"/>
        <event>
          <period>
            <start value="2023-06-21T12:45:21.311+00:00"/>
            <end value="2023-06-21T14:43:47.970+00:00"/>
          </period>
        </event>
        <section>
          <entry>
            <reference value="Binary/PrescriptionDigest-160.000.203.352.835.63"/>
          </entry>
        </section>
      </Composition>
    </resource>
  </entry>
  <entry>
    <fullUrl value="https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Device/1"/>
    <resource>
      <Device>
        <id value="1"/>
        <meta>
          <profile value="https://gematik.de/fhir/erp/StructureDefinition/GEM_ERP_PR_Device|1.2"/>
        </meta>
        <status value="active"/>
        <serialNumber value="1.10.0"/>
        <deviceName>
          <name value="E-Rezept Fachdienst"/>
          <type value="user-friendly-name"/>
        </deviceName>
        <version>
          <value value="1.10.0"/>
        </version>
        <contact>

```

```

<system value="email"/>
<value value="betrieb@gematik.de"/>
</contact>
</Device>
</resource>
</entry>
<entry>
<fullUrl value="https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Binary/PrescriptionDigest-160.000.203.352.835.63"/>
<resource>
<Binary>
<id value="PrescriptionDigest-160.000.203.352.835.63"/>
<meta>
<versionId value="1"/>
<profile value="https://gematik.de/fhir/erp/StructureDefinition/GEM_ERP_PR_Digest[1.2]"/>
</meta>
<contentType value="application/octet-stream"/>
<data value="JVVBQFS8DcaHsdS6FKtIfIt++PsMuLMqQDqxcynrbfQ="/>
</Binary>
</resource>
</entry>
<signature>
<type>
<system value="urn:iso-astm:E1762-95:2013"/>
<code value="1.2.840.10065.1.12.1.1"/>
</type>
<when value="2023-06-21T14:43:47.974+00:00"/>
<who>
<reference value="https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Device/1"/>
</who>
<sigFormat value="application/pkcs7-mime"/>
<data value="MIIUmwYJKoZIhvcNAQCoIIUjDCCFIgCAQUxDTALBg1ghkgBZQMEAgEwggp3BgkqhkiG9w0BBWggggpoBIIKZDw
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odHRwczovL2dlbWw0aWsuZGUvZmhpci9lcnAvTmFtaW5nU3lzdGltL0dFTV9FUBFt1NFuHJlc2NyaXB0aW9uSWQilz48dmFsdWUgdmdFsdWU9IjE
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```

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/hDJNLerZ4+QxOp0+qu0juivAiEApzAZ78r+rFzr2YD01+2TdQCirSonvtML17bCuuq870yhggRloYIEYQYIKwYBBQUHEAIwggRTcGEAoIIETDCCBEgGCSsGAQUFBzABAQSCBDkwggQ1MIIBDKFhMF8xCzAJBgNVBAYTAkRFRMSYwJAYDVQQKDB1hcnZhdG8gU3lzdGVtcyBHbWJIIIE5PVC1wQUxJRDEoMCYGA1UEAwWfS29tcC1QS0kgT0NTUC1TaWduZXI3IFRFRU1QtT05MWRgPMjAyMAZ2MjExNDExMThtaMIGVMIGSMDswCQYFKw4DAhoFAAQUHTzAAgAj+w+MR6YwoL4HbIFYsx8EFDrIqiWSTqypLH3PGWnqEwa5qDDTAJJsGoAAGA8yMDIzMDYyMTE0MTEEx0FqhQDA+MDwGBSskCAMNBDMwMTANBg1ghkgBZQMEAgEFAAQg4xDq1tPMu19jmZCItt

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/nox3H42GMYu3bLUfYjge8wgewwHQYDVR00BBYEFHs1pHWpmxkVyjtZiIsS3E+ePjHQM8GA1UdIwQYMBaAFABq0JDzma4hj1La7sGMboCtYSLJME8GCCsGAQUFBwEBBEMwQTA

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