

# Direct Transmitter's Guide



BOARD OF EQUALIZATION

# Direct Transmitter's Guide

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Board of Equalization  
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## Preface

**T**his guide is designed to provide the rules, procedures, and technical requirements for the electronic filing of returns by Direct Transmitters using Simple Object Access Protocol (SOAP), which relies heavily on Extensible Markup Language (XML) as its message format. You must have an understanding of all business requirements and rules established by the Board of Equalization (BOE). All provisions presented in this guide must be adhered to for successful participation in the Direct Transmit Program.

The information contained in this guide is subject to change. If you are a participant in the Direct Transmit Program, BOE will notify you when updated versions of this guide are available for download from BOE's website at [www.boe.ca.gov](http://www.boe.ca.gov)

If you have any questions regarding the Direct Transmit Program, please contact the eServices Coordinator between 8:00 a.m. and 5:00 p.m., Pacific Time, Monday through Friday (excluding State holidays) at:

Phone: 916-323-6353  
Fax: 916-322-4530  
Email: [eDirect@boe.ca.gov](mailto:eDirect@boe.ca.gov)

You may submit written correspondence to the eServices Coordinator at the following address:

State Board of Equalization  
eServices Coordinator, MIC: 92  
P.O. Box 942879  
Sacramento, CA 94279-0092

Assistance for persons with hearing or speech impairments can be obtained by calling our TDD Assistance Center at 800-735-2929, between 8:00 a.m. and 5:00 p.m., Pacific Time, Monday through Friday (excluding State holidays).

# Introduction to the Direct Transmit Program

**T**he Board of Equalization's (BOE) electronic filing system, BOE-file, was implemented to provide tax and fee payers the opportunity to use Internet technology to submit return data electronically. Eligible accounts can file and pay their tax and fee returns for free using the BOE-file system.

In order to provide additional flexibility to tax and fee payers, BOE has extended its eServices to provide electronic filing of return data using Simple Object Access Protocol (SOAP), which relies heavily on Extensible Markup Language (XML) as its message format. Using this technology, BOE provides certified Direct Transmitters the ability to upload data electronically using a variety of tax or fee payer operated software or web applications without requiring data to be entered manually in the BOE-file system. This process is beneficial for participants who file returns for multiple accounts, file complex returns in a given reporting period, and/or file on behalf of multiple tax or fee payers.

## 1.1 Direct Transmitter Defined

A Direct Transmitter transmits tax return data and payments directly to BOE using XML technology and generally is one of the following:

- Tax Professional (i.e. Accountant, CPA, Bookkeeper, etc) transmitting return data on behalf of clients
- Software Developer providing software that allows clients to transmit return data directly to BOE
- Tax or fee payer transmitting return data on their own behalf
- Electronic Return Originator (ERO) transmitting return data on behalf of clients through a web-based interface

## 1.2 Advantages

The Direct Transmit Program offers many advantages including the following:

- Transmit data from anywhere you can connect to the Internet
- After the initial application and testing, no paper returns need to be filed and no signature documents need to be completed and mailed
- Return data does not have to be entered manually into the BOE-file system, which saves time
- Eliminates trips to the post office and postage expenses
- Faster processing of returns
- Electronic security ensures confidentiality of data
- Automatic confirmation of filing

## 1.3 Availability

Direct Transmitters may transmit return data from any location directly to the BOE except when the BOE-file system is down. The BOE-file system is available at all times except during routine maintenance scheduled from Sunday at 7:00 p.m. to Monday at 5:00 a.m., Pacific Time.

## 1.4 Restrictions

Direct Transmitters may only transmit return data for accounts that are eligible to eFile. If the account is not eligible, the return(s) must be submitted as required by BOE. While Direct Transmit is available for most Sales and Use Tax accounts, it is not available for other tax programs and fees administered by BOE.

## 1.5 Knowledge of XML

The Direct Transmit Program uses XML technology to transmit return data to and from BOE. XML provides a basic syntax that BOE uses to share information between different kinds of computers, applications, and organizations without needing to pass through many layers of conversion. Participants must have a working knowledge of XML and XML Schemas. BOE is unable to provide technical assistance in the development or maintenance of software or web applications owned or operated by applicants and participants in the Direct Transmit Program.

## Becoming a Direct Transmitter

**A**ny organization or individual interested in becoming a Direct Transmitter must submit an application to BOE. Applications are reviewed and approved on a continuous enrollment basis. All applicants must comply with the requirements and specifications set forth in this guide to be certified as a Direct Transmitter. Additionally, system testing must be passed by all applicants to ensure return and payment data can be successfully transmitted in the required format before actual returns and prepayments are transmitted.

### 2.1 Application

The application for the Direct Transmit Program is available on BOE's website at [www.boe.ca.gov](http://www.boe.ca.gov) or can be requested by email at [eDirect@boe.ca.gov](mailto:eDirect@boe.ca.gov)

The completed application may be submitted via fax to 916-322-4530, emailed to [eDirect@boe.ca.gov](mailto:eDirect@boe.ca.gov) or mailed to:

State Board of Equalization  
eServices Coordinator, MIC: 92  
P.O. Box 942879  
Sacramento, CA 94279-0092

An email response with approval confirmation will be sent within 30 days from the day the BOE receives the application. If the response is not received after 30 days, please contact the eServices Coordinator by email.

### 2.2 Approval and System Development

Once the application is approved, an email response will be sent to the applicant along with information required to begin the testing process. Applicants must update their software and/or web applications with the XML Schemas defined by BOE. An XML Schema defines the building blocks for an XML document (return data) at a high level. It provides the definitions of the structure, content, and semantics of XML documents that are shared between a Direct Transmitter and BOE. Updated XML Schemas may be obtained from BOE's website at [www.boe.ca.gov](http://www.boe.ca.gov). These schemas describe the structure of an XML document and are required for transmitting returns as a Direct Transmitter. Returns must be

created based upon the guidelines outlined in Chapters 6 through 8 and the Appendices of this guide.

## 2.3 Levels of Certification

Not all Direct Transmitters will transmit returns for all return types established by BOE. Therefore, BOE has established levels of certification a Direct Transmitter can obtain. A Direct Transmitter will be certified depending on the desired level and should transmit return data for that level only. Each level has specific test scenarios that must be completed for certification purposes. If a certified Direct Transmitter wants to be certified at a higher level, additional system testing must be completed. All test scenarios are available at [www.boe.ca.gov](http://www.boe.ca.gov) and levels of certification include the following:

Level 1: Level 1 Direct Transmitter must successfully complete the test scenario(s) applicable for their taxable activity type and reporting basis. Certification for this level will allow the Direct Transmitter to transmit returns for their account(s). If the return requirements changes significantly (i.e. schedules are added or the taxable activity type changes), the Direct Transmitter will have to successfully complete system testing to include the new requirements and continue participation in the Direct Transmit Program.

Level 2: Level 2 Direct Transmitter is certified to transmit EZ (BOE-401-EZ) and Standard (BOE-401-A2 and BOE-401-E) return data on behalf of clients. The data format for both returns is the same and includes a Schedule A, which reports District Taxes. Standard Deductions, Tax Recovery Adjustments, Partial Exemptions and Prepayments may also be filed with these returns. Certification for this level will allow the Direct Transmitter to transmit return data for eligible accounts with a sellers permit prefix of "SR" and "SU" (example SR BH xxx-xxxxxx). Level 2 Direct Transmitters must successfully complete Test Scenarios 1 through 6 during system testing.

Level 3: Level 3 Direct Transmitter is authorized to transmit EZ (BOE-401-EZ) and Standard (BOE-401-A2 and BOE-401-E) return data including returns for gas retailers and/or distributors. Standard Deductions, Tax Recovery Adjustments, Partial Exemptions, and Prepayments may be filed for these returns as well as Schedules A and G, which reports prepaid tax to fuel suppliers. Certification for this level will allow the Direct Transmitter to transmit return data for eligible accounts with a sellers permit prefix of "SR" and/or "SG" (example SG BH xxx-xxxxxx) depending on the following sub-levels.

- A) Level 3A Direct Transmitter is authorized to transmit return data for only eligible SR and SU accounts with or without Schedule G. Level 3A Direct Transmitters must successfully complete Test Scenarios 1 through 7 during system testing.
- B) Level 3B Direct Transmitter is authorized to transmit return data for eligible SR, SU, and SG accounts. Level 3B Direct Transmitters must successfully complete Test Scenarios 1 through 6 and 8 during system testing.

- C) Level 3C Direct Transmitter is authorized to transmit return data for eligible SR and SU accounts with or without Schedule G and SG accounts. Level 3C Direct Transmitters must successfully complete Test Scenarios 1 through 8 during system testing.

Level 4: Level 4 Direct Transmitter is authorized to transmit EZ (BOE-401-EZ) and Standard (BOE-401-A2 and BOE-401-E) return data with a Schedule A, B or E, which reports the one percent Local Tax allocation. Standard Deductions, Tax Recovery Adjustments, Partial Exemptions, and Prepayments may also be filed for these returns. Certification for this level will allow the Direct Transmitter to transmit return data for eligible accounts with a sellers permit prefix of “SR”, “SR X”, “SR S”, “SC”, “SU”, and “SU S” (example SR S BH xxx-xxxxxx). Level 4 Direct Transmitters must successfully complete Test Scenarios 1 through 5 and 9 during system testing.

Level 5: Level 5 Direct Transmitter is authorized to transmit EZ (BOE-401-EZ) and Standard (BOE-401-A2 and BOE-401-E) return data including returns for gas retailers and/or distributors. Standard Deductions, Tax Recovery Adjustments, Partial Exemptions, and Prepayments may be filed for these returns as well as Schedules A, B and/or E, and/or G. Certification for this level will allow the Direct Transmitter to transmit return data for eligible accounts with a sellers permit prefix of “SR”, “SR X”, “SR S”, “SC”, “SU”, “SU S”, and/or “SG” (example SR S BH xxx-xxxxxx) depending on the following sub-levels.

- A) Level 5A Direct Transmitter is authorized to transmit return data for eligible SR, SR X, SR S, SC, SU, and SU S accounts with or without Schedule G. Level 5A Direct Transmitters must successfully complete Test Scenarios 1 through 7 and 9 through 10 during system testing.
- B) Level 5B Direct Transmitter is authorized to transmit return data for eligible SR, SR X, SR S, SC, SU, SU S, and SG accounts but cannot transmit Schedule G. Level 5B Direct Transmitters must successfully complete Test Scenarios 1 through 6 and 8 through 10 during system testing.
- C) Level 5C Direct Transmitter is authorized to transmit return data for eligible SR, SR X, SR S, SC, SU, SU S, and SG accounts with or without Schedule G. Level 5C Direct Transmitters must successfully complete Test Scenarios 1 through 10 during system testing.

Level 6: Level 6 Direct Transmitter is authorized to transmit EZ (BOE-401-EZ) and Standard (BOE-401-A2 and BOE-401-E) return data with Schedules A, B, C, and/or E, which reports the one percent Local Tax allocation. Standard Deductions, Tax Recovery Adjustments, Partial Exemptions, and Prepayments may also be filed for these returns. Certification for this level will allow the Direct Transmitter to transmit return data for eligible accounts with a sellers permit prefix of “SR”, “SR X”, “SR Y”, “SR S”, “SR Z”, “SC”, “SU”, and “SU S” (example SR Z BH xxx-xxxxxx). Level 6 Direct Transmitters must successfully complete Test Scenarios 1 through 6 and 9 through 11 during system testing.

Level 7: Level 7 Direct Transmitter is authorized to transmit EZ (BOE-401-EZ) and Standard (BOE-401-A2 and BOE-401-E) return data including returns for gas retailers and/or distributors. Standard Deductions, Tax Recovery Adjustments, Partial Exemptions, and Prepayments may be filed for these returns as well as Schedules A, B, C, E, and/or G. Certification for this level will allow the Direct Transmitter to transmit return data for eligible accounts with a sellers permit prefix of “SR”, “SR X”, “SR Y”, “SR S”, “SR Z”, “SC”, “SU”, “SU S”, and/or “SG” (example SR S BH xxx-xxxxxx) depending on the following sub-levels.

- A) Level 7A Direct Transmitter is authorized to transmit return data for eligible SR, SR X, SR Y, SR S, SR Z, SC, SU, and SU S accounts with or without Schedule G. Level 7A Direct Transmitters must successfully complete Test Scenarios 1 through 7 and 9 through 11 during system testing.
- B) Level 7B Direct Transmitter is authorized to transmit return data for eligible SR, SR X, SR Y, SR S, SR Z, SC, SU, SU S, and SG accounts but cannot transmit Schedule G. Level 7B Direct Transmitters must successfully complete Test Scenarios 1 through 6 and 8 through 11 during system testing.
- C) Level 7C Direct Transmitter is authorized to transmit return data for eligible SR, SR X, SR Y, SR S, SR Z, SC, SU, SU S, and SG accounts with or without Schedule G. Level 7C Direct Transmitters must successfully complete Test Scenarios 1 through 11 during system testing.

## 2.4 Development and System Testing

After the applicant's software and/or website is ready for testing, the applicant must email the eServices Coordinator requesting a test URL, user ID, and password. Development testing is performed by the Direct Transmitter to determine whether a return or prepayment can be transmitted to BOE successfully without any errors. Errors must be corrected during this phase of development. The goal for this phase of testing is to ensure the Direct Transmitter's software and/or website properly transmits returns associated with the level of certification desired. Test scenarios created by the Direct Transmitter should be transmitted during this phase, which is the longest phase of testing.

Once returns have been transmitted by a Direct Transmitter successfully (no error codes received and confirmation numbers are returned by BOE), system testing needs to be performed. The Direct Transmitter must inform the eServices Coordinator via email that system testing is desired. The eServices Coordinator will reply with a test account number for the first test scenario. System testing uses predetermined test scenarios (returns and prepayments) created by BOE which validate the Direct Transmitter's ability to transmit and receive data in the specified format to and from BOE. Test scenarios may be obtained from BOE's website and will be completed consecutively after the first scenario has been completed

successfully. All applicants are required to complete system testing with BOE before actual returns may be transmitted. System testing is necessary to ensure the following:

- BOE's eFile specifications are met
- The transmitter is able to retrieve information from BOE
- There are no validation errors in the test scenarios
- The required fields post to BOE's mainframe successfully

## 2.5 Certification

Once system testing is successful, BOE will certify the applicant's participation in the Direct Transmit Program. A permanent user ID and password established by BOE will be emailed to the participant allowing the participant to begin transmitting returns and prepayments for actual processing. Additionally, a permanent URL will be provided, which must be used for actual processing. Return data transmitted to the test URL is not considered to be filed with BOE.

## Certified Direct Transmitter

**A** certified Direct Transmitter has many responsibilities to its clients. This chapter focuses on general topics affecting Direct Transmitters participating in the Direct Transmit Program.

### 3.1 Future Updates

Updates to the BOE-file system and Direct Transmit Program occur periodically and may require updates to the software and/or website utilized by the Direct Transmitter. Updates may include, but are not limited to the following:

- Changes in the law
- Changes in the XML Schemas
- Changes in the tax rate(s)
- New additional schedules
- New tax programs added to the eFiling system
- Changes in eFile rules and requirements

The eServices Coordinator will email updates to all participants in the Direct Transmit Program. It is the responsibility of the Direct Transmitter to ensure software and/or websites are updated accordingly. BOE will not conduct system testing on future updates except for changes in the XML Schemas. When changes to the XML Schemas occur, BOE will contact all Direct Transmitters to conduct system testing. At that time, Direct Transmitters must successfully transmit test scenarios for the desired level of certification in order to continue participating in the Direct Transmit Program. If a Direct Transmitter cannot successfully transmit test scenarios, they will be decertified from the program until test scenarios are successfully completed.

### 3.2 Decertification

A Direct Transmitter may be decertified from the program for many reasons. Once a Direct Transmitter is decertified from the program, BOE will determine if the Direct Transmitter qualifies for recertification. Return data transmitted by a decertified Direct Transmitter will not

be accepted by BOE. BOE reserves the right to decertify a Direct Transmitter for any of the following reasons:

- Failure to adhere to the requirements indicated in this guide
- Consistent transmission of returns with errors
- False information was provided on the application
- Unethical practices were made by a Direct Transmitter in preparing the return
- Conduct that has an adverse effect on BOE
- BOE has received numerous complaints about the conduct of an ERO
- Transmission of return data for a level not certified for
- Misuse of tax or fee payer information for purposes other than preparing or transmitting tax return data. See Section 3.5 for more information.
- Misrepresentation of Direct transmitter's role. See section 3.6 for more information.

### 3.3 Recertification

Once a Direct Transmitter is certified to participate in the program, recertification is generally not required unless changes to the XML Schemas have been made. There are additional situations that may require recertification, in which time the Direct Transmitter must submit another application to continue to participate in the program. Recertification is required for reasons including the following:

- A change in the business ownership has occurred for the Direct Transmitter
- The website address has changed for an ERO
- A Direct Transmitter has been decertified from the program. Recertification is available depending on the reason(s) for decertification

### 3.4 Additional Direct Transmit Services

A Direct Transmitter is certified to participate in the program based on the original application. If a Direct Transmitter wants to extend its services and provide additional options for clients, another application may be required. If a Direct Transmitter begins providing software or extends services to a web-based interface, a separate application must be submitted.

### 3.5 Disclosure of Tax or Fee Payer Information

The Direct Transmitter shall not disclose or use any tax or fee payer's specific information for any purpose other than the preparation of tax return data. Additionally, the Direct Transmitter shall not utilize tax or fee payer information for marketing purposes or any other reasons aside from transmitting return data and payments on behalf of clients.

### 3.6 Misrepresentation by Direct Transmitter

BOE certifies a Direct Transmitter has the ability to transmit tax return data correctly at the time of testing based upon the desired level of certification. BOE does not certify the quality or provide validity to a Direct Transmitter's product or service and does not support any one Direct Transmitter. Any errors made after the date of certification is not the responsibility of BOE and should not be portrayed to clients as such. Additionally, a Direct Transmitter must not provide advice to tax or fee payers on behalf of BOE. Misrepresentation of BOE and the Direct Transmitter's roles are prohibited.

### 3.7 Cancellation of Returns and Payments

Returns and payments may be cancelled by a Direct Transmitter while they are in pending status. Pending transmittals have not been processed by BOE. Direct Transmitters must contact the Taxpayer Information Center at 1-800-400-7115 immediately to cancel returns and payments still in pending status. If the transmittal is cancelled, the Direct Transmitter may resubmit the return or payment information. If the return or payment cannot be cancelled (i.e. the return was processed by BOE), an amended return or a claim for refund must be mailed to the following addresses:

Amended Sales and Use Tax Return(s):

**State Board of Equalization, MIC: 35**  
**P.O. Box 942879**  
**Sacramento, CA 94279-0035**

Claim for Refund:

**State Board of Equalization**  
**Refund Section, MIC: 39**  
**P.O. Box 942879**  
**Sacramento, CA 94279-0039**

## System Availability

**R**eturn data and payments submitted by Direct Transmit must be received by the BOE in the required format and by the associated due dates in order to be considered timely. While BOE strives to ensure the BOE-file system is available at all times, there are situations which may occur and interfere with the transmittal. It is still the responsibility of the Direct Transmitter or the tax or fee payer to file returns and payments to BOE by the required due dates. A complete listing of due dates is provided on BOE's website.

If the system is unavailable or transmittals are rejected, the tax or fee payer is still responsible for filing their return by the required due dates and times. Direct Transmitters should consider instructing clients to use the BOE-file system available at [www.boe.ca.gov](http://www.boe.ca.gov) to ensure returns and payments are received by BOE on or before the due date. The following situations may occur which may affect the timely filing of returns and payments.

### 4.1 Scheduled Maintenance

In order to perform routine maintenance on the BOE-file system, the system is unavailable from Sunday at 7:00 p.m. to Monday at 5:00 a.m., Pacific Time.

### 4.2 Rejected Transmittals

Once BOE receives a return or prepayment, a confirmation of filing or an error code/message will be sent to the Direct Transmitter immediately. A confirmation number must be received by the Direct Transmitter on or before the due date and time in order for the return or prepayment to be considered timely. A confirmation number will not be returned for rejected transmittals. See Appendix F for a listing of error codes and messages. If a Direct Transmitter does not receive a confirmation number, the return and prepayment data must be retransmitted. A return or prepayment may be rejected for any of the following reasons:

- Required information was omitted or was not in the required format
- A system error occurred

## 4.3 System Problems and Unscheduled Emergency Maintenance

System problems and unscheduled emergency maintenance will impact availability to the BOE-file system. Known problems are indicated on BOE's website at [www.boe.ca.gov](http://www.boe.ca.gov). Direct Transmitters should verify if any information has been posted on BOE's website before contacting the eServices Coordinator. If messages have not been posted, Direct Transmitters may contact the eServices Coordinator by telephone or email to inform BOE about any system errors encountered. BOE strives to ensure that all known system problems are corrected in an efficient manner.

## Payments

**P**ayment options for the Direct Transmit Program include Automated Clearing House (ACH) Debit, ACH Credit and credit card. All payments must be made electronically by the required due dates and times in order to be considered timely.

### 5.1 Electronic Funds Transfer (EFT) Payments

Tax or fee payers who are required to make payment by EFT (ACH Debit or ACH Credit) may pay by ACH Debit for returns filed by Direct Transmit. Direct Transmitters may verify if a tax or fee payer is a mandatory EFT filer by using the `getAccountEligibility` and the `getFilingPeriod` web services (see Chapter 8). General information regarding the EFT program may be found at [www.boe.ca.gov](http://www.boe.ca.gov)

**ACH Debit:** ACH Debit payments may be made in the transmittal with the return data and must include all information indicated in Sections 5.3 and 5.4.

For accounts required to pay by EFT, payments initiated by ACH Debit on the tax or fee due date must be made by 3:00 p.m., Pacific Time. Funds must be settled in BOE's bank account the next banking day in order for the payment to be timely. ACH Debit payments may also be made outside of the transmittal with the state's data collector at [Link2Gov](#) or by telephone at 800-554-7500.

**ACH Credit:** Payments made by ACH Credit are electronic transactions initiated by the tax or fee payer through their financial institution. This type of transaction debits the tax or fee payer's bank account and credits BOE's bank account. This transaction is made separately from the transmittal.

**Note:** Payments initiated by ACH Credit must settle into BOE's bank account by the first banking day following the tax or fee due date in order to be considered timely.

### 5.2 Non-EFT Payments

Tax and fee payers, who are not required to make payments by EFT, may make their payment electronically by eCheck or by credit card for returns or prepayments filed using Direct Transmit.

**eCheck - ACH Debit:** The only payment method allowed in the transmittal is by ACH Debit. The banking information indicated in Section 5.3 should be provided in the transmittal as well as the warehouse date as described in Section 5.4.

*Note:* Payments initiated by ACH Debit on the due date must be completed by 12:00 a.m. (midnight), Pacific Time in order to be considered timely. ACH Debit payments may also be made outside of the transmittal with the state's data collector at [Link2Gov](http://Link2Gov) or by telephone at 800-554-7500.

**Credit Card:** Payments made by credit card are done separately from the transmittal. Credit card payments are made using the Internet or by telephone to a third party vendor, Official Payments Corporation (OPC). A convenience fee of 2.3% of the payment amount is charged by OPC. This convenience fee is retained by the vendor and is not revenue to BOE. The minimum fee is \$1.00. Payments may be made over the Internet by visiting [www.officialpayments.com](http://www.officialpayments.com) or called in to 1-800-2PAY-TAX (1-800-272-9829).

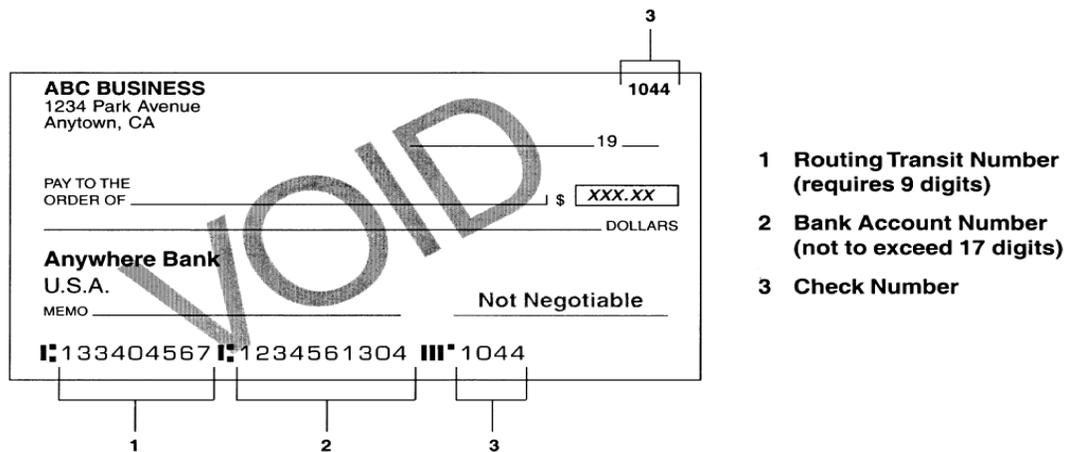
*Note:* Payments initiated by credit card on the due date must be completed by 12:00 a.m. (midnight), Pacific Time in order to be considered timely.

*Note:* A Direct Transmitter can offer the credit card payment option directly to clients by contacting OPC for instructions on how to update software and/or web applications.

### 5.3 Banking Information (ACH Debit)

Banking information consisting of the following should be provided by the Direct Transmitter in the transmittal when an ACH Debit payment is made:

- Bank Account Number (not to exceed 17 digits)
- Routing Transit Number (requires 9 digits)



## 5.4 Warehouse Date (ACH Debit)

Warehousing a payment allows the tax or fee payer to schedule a date, on or before the tax due date, in which funds are to be withdrawn by BOE. Payments will be transferred from the designated bank account to BOE's bank account on the scheduled warehouse date. A banking day up to 30 days in advance may be scheduled for all ACH Debit payments. If a scheduled warehouse date is not provided, the payment will transfer the next banking day.

## 5.5 Credit Returns

Returns resulting in a refund may be filed using the Direct Transmit Program. A Claim for Refund form (BOE-101) must be submitted to the BOE for the credit to be processed and if approved, refunded by BOE. Claim for refund forms may be downloaded from BOE's website and should be mailed to the following address:

**State Board of Equalization  
Refund Section, MIC: 39  
P.O. Box 942879  
Sacramento, CA 94279-0039**

## Technical Requirements

**T**his chapter presents the technical requirements expected from a Direct Transmitter. While BOE does not restrict the methods a Direct Transmitter utilizes to obtain and maintain tax and fee information, BOE does reserve the right to define the technical specifications for message format, protocol, and the related interaction between itself and the Direct Transmitter.

### 6.1 Communication

Communication between a Direct Transmitter and BOE will be via the Internet and will be performed in real-time. The communication will use XML transmittals as defined by BOE in the XML Schemas. BOE defined schemas will specify the overall structure, data elements, rules for all forms and schedules, and responses.

### 6.2 Security

Security measures must be in place to preserve the confidentiality of tax and fee payer information. Data sent between BOE and the Direct Transmitter must be encrypted using Secured Socket Layer (SSL) 3.0 or greater. BOE will use a digital certificate installed on its web server to enable the SSL 128-bit encryption. Authentication of user ID and passwords will be enforced and validated to ensure data is transmitted from a secure source.

### 6.3 Data Format

The file format will be XML as defined by the XML Schemas. All required data fields must be completed. BOE uses the following abbreviations in the "Format" column of the XML Message descriptions:

A = Alpha

N = Numeric

AN = AN (either alpha or numeric or combination)

DT = Date

YYYY-MM-DD = length of 10 positions where Y=Year, M=Month, D=Day

YYYYMM = length of 6 positions

YYYY = length of 4 positions

YYYYQ = Y=Year, Q=Quarter (1, 2, 3, 4)

Not all requirements for returns can be satisfied by schema definitions and validation. If a return successfully passes schema validation, it will be further processed to ensure that a violation of BOE's business rules has not occurred. A return which fails the business rule validation will be rejected immediately with an appropriate error code and/or message. Rejected transmittals have not been filed and must be submitted again.

## XML Schemas

The XML Schemas defined by BOE include 43 schemas (XSD) and 3 web service definitions (WSDL) grouped by Interfaces, Types, and Values. The Interface grouping includes schemas that define the principle XML requests and responses. The Type grouping includes schemas used as building blocks to construct the XML requests and responses. The Value grouping includes schemas which define lookup tables for validation purposes.

### 7.1 Getting Started

BOE XML Schemas may be accessed using a simple text editor such as Notepad; however, it is recommended that the Direct Transmitter utilize an XML development tool, which includes editors and/or parsers. There are 43 schemas included in BOE-file system. Many of the schemas are used as building blocks that combine to make up the final XML document of the return. An XML editor software can assist in navigating from one schema to another and an XML parser is essential to validating the final document. Validating the XML document of the return against BOE defined XML Schemas prior to transmitting requests or return data will aid a Direct Transmitter in debugging errors.

### 7.2 Basic Direct Transmit Process

The following steps are the backbone of the Direct Transmit process and will provide an outline for how the XML Schemas are utilized.

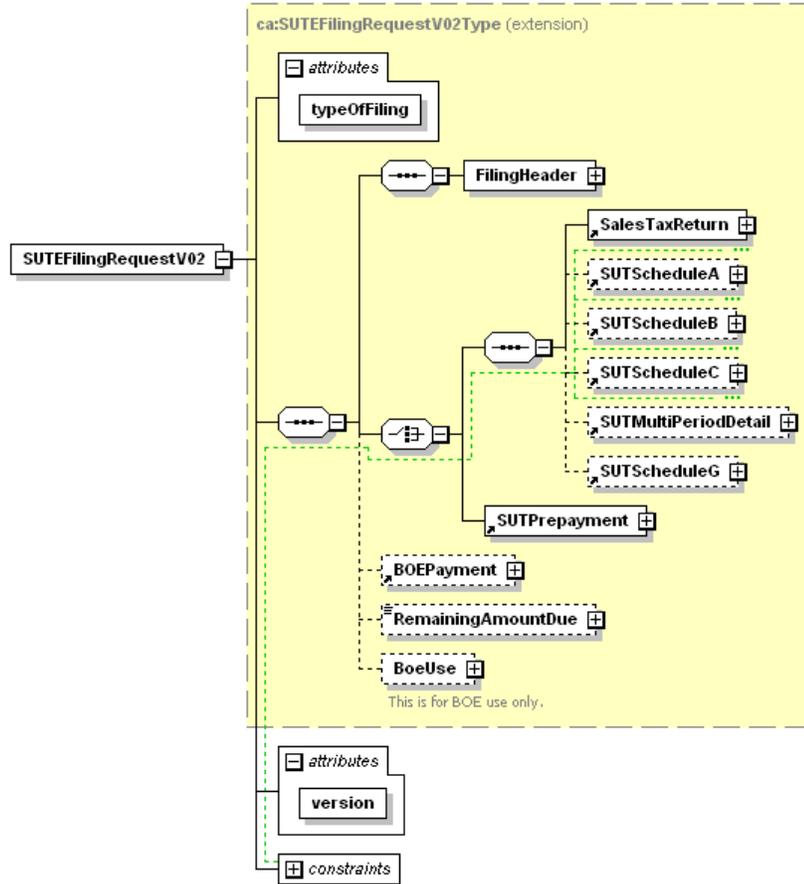
- Step 1. Request verification from BOE that an account is eligible to be eFiled and the periods available for filing
- Step 2. Retrieve the filing information needed for a particular period to file from BOE
- Step 3. Retrieve sub-outlet addresses for Local Tax allocation, if required to be submitted with the return
- Step 4. Gather tax or fee payer's return or prepayment data
- Step 5. Format the return or prepayment data into BOE defined XML format
- Step 6. Transmit the return or prepayment data to BOE

Step 7. Receive confirmation and/or message response from BOE

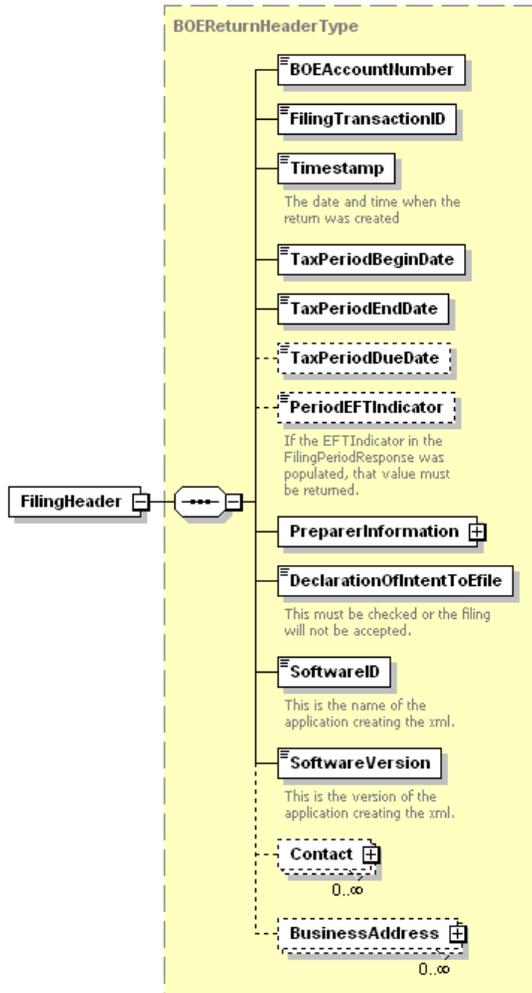
## 7.3 Schema Diagrams for Sales and Use Tax

(Diagrams courtesy of XML Spy)

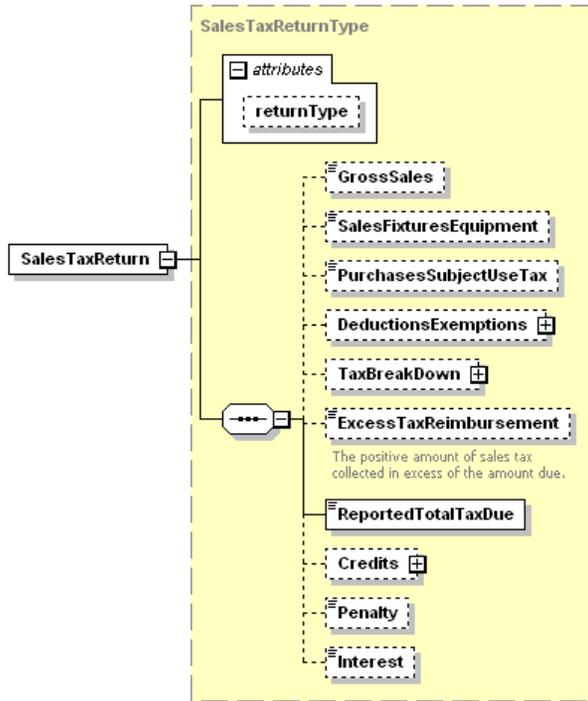
### 7.3.1 SUTEFilingRequestV02



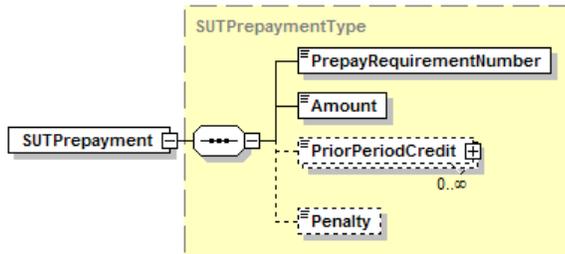
7.3.2 FilingHeader



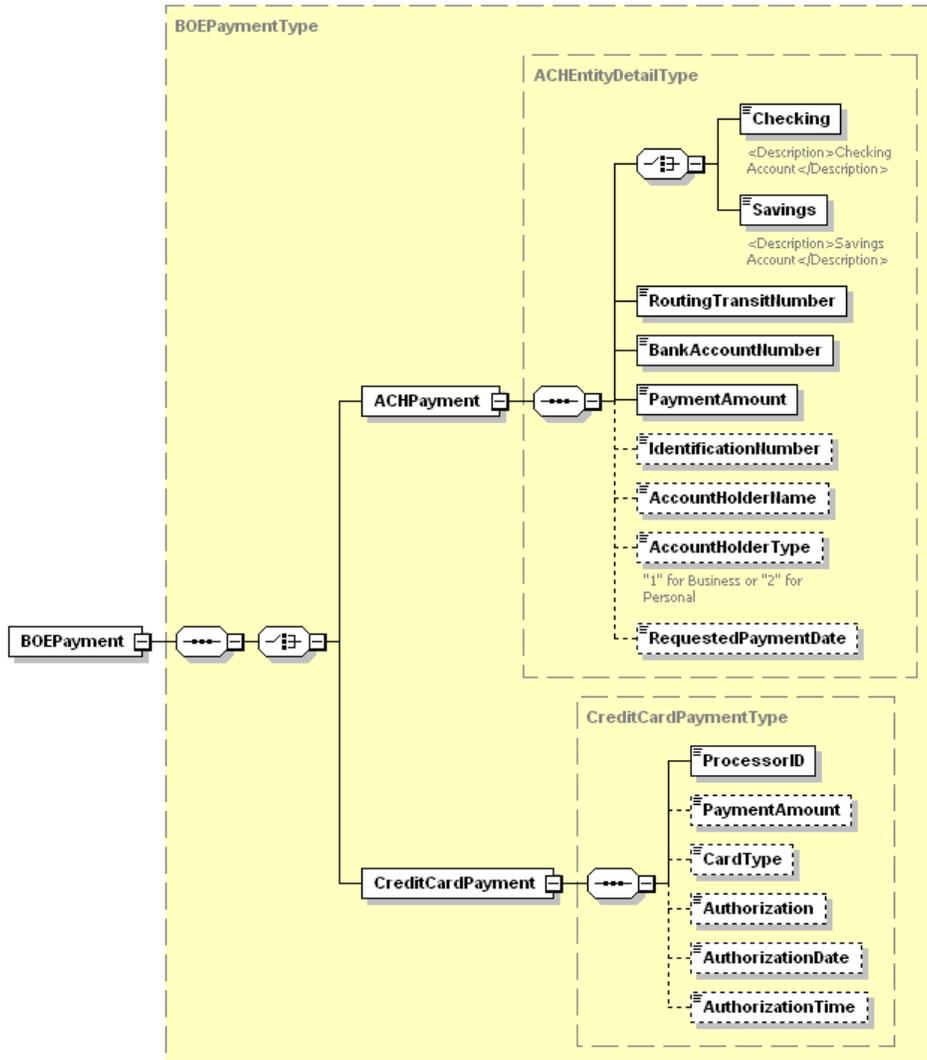
### 7.3.3 SalesTaxReturn



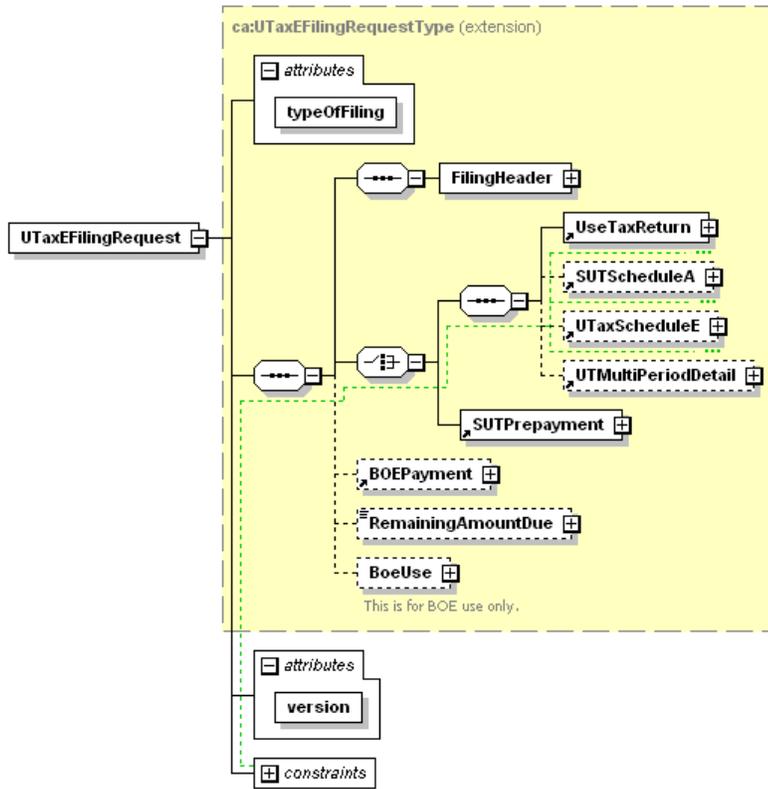
### 7.3.4 SUTPrepayment



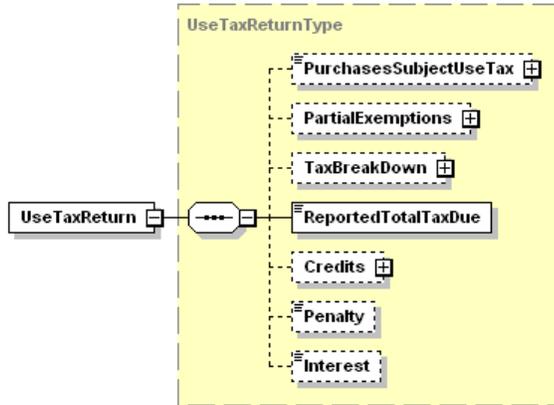
7.3.5 BOEPayment



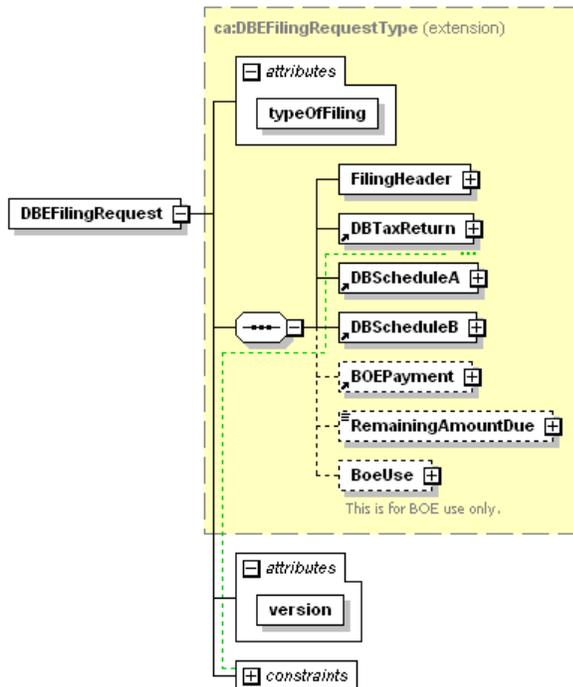
7.3.6 UTaxE FilingRequest



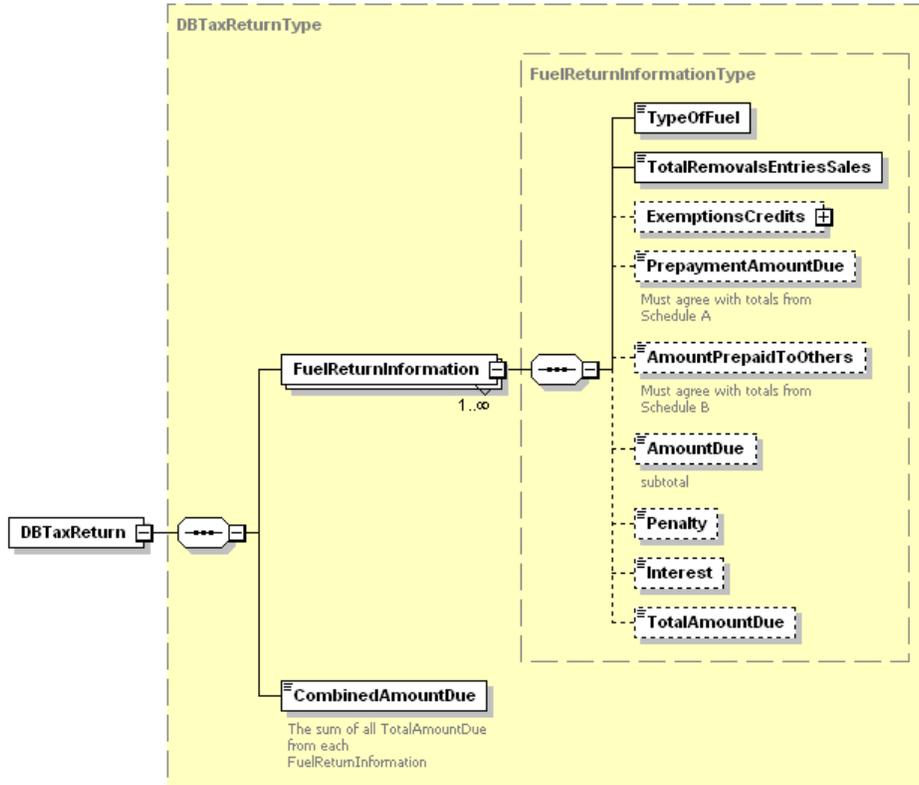
### 7.3.7 UseTaxReturn



### 7.3.8 DBEFilingRequest



7.3.9 DBTaxReturn



## 7.4 Creating a Return

The principal schemas included in the BOE Sales and Use Tax Return package are: SUTEFilingRequestV02.xsd, UTaxEFilingRequest.xsd, and DBEFilingRequest.xsd. Each schema is used for filing a different type of return. The common building blocks for the three types include:

BOEReturnHeader.xsd  
BOEPayment.xsd  
BOEUseType.xsd

Each of the included schemas defines a required or optional portion of the final return or prepayment. Every return or prepayment electronically filed must have a filing header (FilingHeader), which identifies who or what transmitted the return, when the return was transmitted, what account and period the return is for, and who may be contacted for further information regarding the return.

The filing itself must include the required portions as defined in its schema which may include a return or prepayment, and supporting schedules. Optionally, an electronic payment may be included with the filing. The payment information is included using the payment element (BOEPayment). While the BOEPayment element is optional, if a payment is expected and payment information is not sent, a RemainingAmountDue element must be sent with the appropriate reason code. In addition to the details of the filing, two schemas are included (one schema includes the definitions for the common types and the other schema is for BOE use only).

### 7.4.1 SUTEFilingRequestV02

The schema for filing returns or prepayments for accounts with sellers permit prefix of "SR", "SR X", "SR Y", "SR S", "SR Z", or "SC" is SUTEFilingRequestV02.xsd. The specific building blocks for this schema are the following separately defined schemas:

SalesTaxReturn.xsd  
SUTScheduleA.xsd  
SUTScheduleB.xsd  
SUTScheduleC.xsd  
MultiPeriodDetail.xsd  
SUTScheduleG.xsd  
SUTPrepayment.xsd  
SUTBaseTypes.xsd

This type of filing must include either a return (SalesTaxReturn) or a prepayment (SUTPrepayment), but not both. If the filing is for a return, it may contain one to five

supporting schedules (SUTScheduleA, SUTScheduleB, SUTScheduleC, SUTMultiPeriodDetail, or SUTScheduleG).

Appendix A (Samples 1 and 2) provides a sample XML return as well as sample XML for the supporting schedules.

#### 7.4.2 UTaxEFilingRequest

The schema for filing returns or prepayments for accounts with sellers permit prefix of “SU”, or “SU S” is UTaxEFilingRequest.xsd. The specific building blocks for this schema are the following separately defined schemas:

- UseTaxReturn.xsd
- SUTScheduleA.xsd
- UTaxScheduleE.xsd
- MultiPeriodDetail.xsd
- SUTPrepayment.xsd
- SUTBaseTypes.xsd

This type of filing must include a return (UseTaxReturn) or a prepayment (SUTPrepayment), but not both. If the filing is for a return, it may contain one to three supporting schedules (SUTScheduleA, UTaxScheduleE, or UTMultiPeriodDetail).

Appendix A (Sample 3) provides a sample XML return as well as sample XML for the supporting schedules.

#### 7.4.3 DBEFilingRequest

The schema for filing returns for accounts with sellers permit prefix of “SG” is DBEFilingRequest.xsd. The specific building blocks for this schema are the following separately defined schemas:

- DBTaxReturn.xsd
- DBScheduleA.xsd
- DBScheduleB.xsd

This type of filing must include the main return section (DBTaxReturn). It must also contain the two supporting schedules (DBScheduleA, and DBScheduleB).

Appendix A (Sample 4) provides a sample XML return as well as sample XML for the supporting schedules.

## 7.5 Transmitting the Return

When a Direct Transmitter is ready to submit a return or prepayment to BOE, the return information must be formatted using the SUTEFilingRequestV02, UTaxEFilingRequest, or DBEFilingRequest schema. Each filing must be transmitted with a BOETransactionRequestHeader using the corresponding web service operation (i.e. fileSalesTaxReturn for SUTEFilingRequestV02, fileDBReturn for DBEFilingRequest, and fileUseTaxReturn for UTaxEFilingRequest). The web service operations are defined in the SUTEFilingServices WSDL included with BOE's XML Schemas.

A response formatted using the EFilingResponse schema is returned and will include a response header.

## 7.6 Response

When BOE receives the transmittal, a response will be sent to the Direct Transmitter. The responses are presented as an XML document. Appendices B through E include samples of responses BOE may transmit.

## 7.7 Additional Schemas

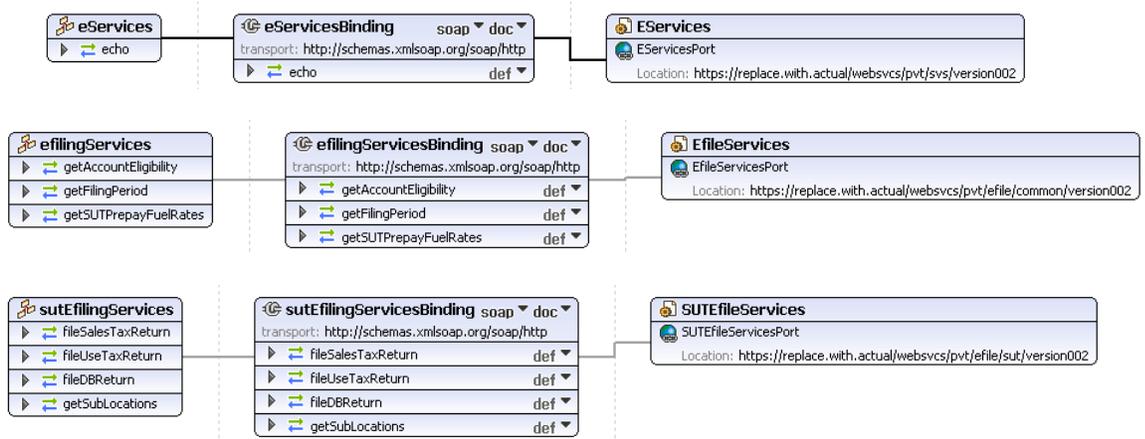
BOE has two additional schemas which are used for different purposes. The EchoRequest schema defines the format of the XML request used to test a transmittal. This will "echo" back a response if the communication path is working. It may also be used to verify that the BOE-file system is online.

The EchoResponse schema defines the format of the XML returned as a response to an Echo test. This will "echo" back a response if the communication path is working.

## Web Services

**B**OE has seven defined operations using the SOAP XML communication protocol as an exchange method and are included in the XML Schemas. These web services are used by Direct Transmitters to exchange information with BOE. An eighth service (echo) is used only to verify the system is online and ready to receive transmittals. The web services available include:

- getAccountEligibility
- getFilingPeriod
- getSubLocations
- getSUTPrepayFuelRates
- fileSalesTaxReturn
- fileUseTaxReturn
- fileDBReturn
- echo



### 8.1 getAccountEligibility

The getAccountEligibility web service is the initial step in the Direct Transmitter eFiling process and allows a Direct Transmitter to verify the eFiling eligibility of an account and confirm that the account number, tax or fee payer name, and address matches BOE's records. This service will confirm that a return or prepayment is expected and will also verify which

periods are available for filing and the respective due dates. Outstanding (delinquent) returns must be transmitted in separate transmittals. The parameter needed to use this service (per the AccountEligibilityRequest.xsd) is the Account Number.

Appendix B provides explanations for the elements within the schema descriptions (Table 1), an explanation of XML tags in the getAccountEligibility response (Table 2), and a sample response message (Sample 5).

## 8.2 getFilingPeriod

The getFilingPeriod web service is a companion service to the getAccountEligibility web service and is built from the response to that initial request. The getFilingPeriod web service is provided to retrieve information about the selected period and will aid in preventing duplicate filings from occurring. The parameters required to use this service include Account Number, the period start and end dates, and the period due date. If the period is for a prepayment rather than a return, then the prepayment period number must be included as well. The parameters required are defined in the WSDL included in the BOE E-Services XML Schema zip file. This web service requires a request header (See BOERequestHeader included in the BOETransmissionHeader.xsd) and the period requested.

The response from the getFilingPeriod service will identify the tax program, schedule(s), and the payment methods available for each period. The response from this service is formatted using the FilingPeriodResponse and will include a response header (BOEResponseHeader included within the BOETransmissionHeader.xsd).

Appendix C provides explanations for the elements within the schema descriptions (Table 3), an explanation of XML tags that may be returned in the filing period response (Table 4), and a sample response message (Sample 6).

## 8.3 getSubLocations

The getSubLocations web service is used when a Schedule C (Local Tax allocation) must be included in the filing. This web service is called by the Direct Transmitter to retrieve a list of sub locations registered with BOE. It is recommended that this web service be used for each filing period to ensure that the most current address information is transmitted. This will ensure the proper reporting for each sub location on record with BOE. Updates to sub location information may be made by the Direct Transmitter as needed. The parameters required are defined in the WSDL included in the BOE E-Services XML Schema zip file. This web service requires a transmission header (see BOERequestHeader included within the BOETransmissionHeader.xsd), an Account number and time period (SubLocationRequest.xsd).

The response from this web service is formatted using the SubLocationResponse.xsd and will include a response header (see BOEResponseHeader included within the BOETransmissionHeader.xsd).

Appendix D (Sample 7) provides a sample response.

## 8.4 getSUTPrepayFuelRates

The getSUTPrepayFuelRates web service is used when a Schedule G (Sales Tax Prepaid to Fuel Suppliers) must be included in a SUTefilingRequestV02 filing or when including transactions for Schedule A (Prepayment of Sales Tax On Fuel Sales) and Schedule B (Sales Tax Prepaid to Fuel Suppliers) in a DBEFilingRequest filing. This web service is called by the Direct Transmitter to retrieve a list of prepayment fuel rates which include Motor Vehicle Fuel, Diesel Fuel, and Aircraft Jet Fuel. The parameters required are defined in the WSDL included in the BOE E-Services XML Schema zip file. This web service requires a transmission header (see BOERequestHeader included within the BOETransmissionHeader.xsd), and the end date of the period for which the rates are needed.

The response from this web service is formatted using the SUTFuelPPRateResponse.xsd and will include a response header (see BOEResponseHeader included within the BOETransmissionHeader.xsd).

Appendix E (Sample 8) provides a sample response.

## 8.5 fileSalesTaxReturn

The fileSalesTaxReturn is the web service to file a California Sales and Use Tax return electronically. This web service is called when a Direct Transmitter has successfully completed Sections 8.1 and 8.2 without errors and is ready to submit the return or prepayment to BOE. The parameters required are defined in the WSDL included in the BOE E-Services XML Schema zip file. This web service requires a transmission header (BOETransactionRequestHeader included within the BOETransmissionHeader schema) and the return (SUTefilingRequestV02).

The response from this web service is formatted using the EFilingResponse.xsd and will include a response header (BOEResponseHeader included within the BOETransmissionHeader.xsd). A response to the transmittal will include either a confirmation number as proof of successful transmittal or an error code describing the reason the transmittal was rejected. Rejected transmittals have not been submitted to BOE. Errors must be corrected and another attempt must be made to transmit the return or prepayment information successfully.

Appendix F provides definitions for the elements within the BOETransactionRequestHeader schema (Table 5), an explanation of XML tags and element format restrictions (Table 6), descriptions of XML tags in the BOE response (Table 7), and sample response messages for successful and unsuccessful transmittals (Sample 9).

## 8.6 fileUseTaxReturn

The fileUseTaxReturn is the web service to file a California Use Tax return electronically. This web service is called when a Direct Transmitter has successfully completed Sections 8.1 and 8.2 without errors and is ready to submit the return or prepayment to BOE. The parameters required are defined in the WSDL included in the BOE E-Services XML Schema zip file. This web service requires a transmission header (BOETransactionRequestHeader included within the BOETransmissionHeader schema) and the return (UTaxEFilingRequest).

The response from this web service is formatted using the EFilingResponse.xsd and will include a response header (BOEResponseHeader included within the BOETransmissionHeader.xsd). A response to the transmittal will include either a confirmation number as proof of successful transmittal or an error code describing the reason the transmittal was rejected. Rejected transmittals have not been submitted to BOE. Errors must be corrected and another attempt must be made to transmit the return or prepayment information successfully.

Appendix G provides definitions for the elements within the BOETransactionRequestHeader schema (Appendix F, Table 5), an explanation of XML tags and element format restrictions (Table 8), descriptions of XML tags in the BOE response (Appendix F, Table 7), and sample response messages for successful and unsuccessful transmittals (Appendix F, Sample 9).

## 8.7 fileDBReturn

The fileDBReturn is the web service to file a California Prepayment of Sales Tax on Fuel Sales return electronically. This web service is called when a Direct Transmitter has successfully completed Sections 8.1 and 8.2 without errors and is ready to submit the return to BOE. The parameters required are defined in the WSDL included in the BOE E-Services XML Schema zip file. This web service requires a transmission header (BOETransactionRequestHeader included within the BOETransmissionHeader schema) and the return (DBEFilingRequest).

The response from this web service is formatted using the EFilingResponse.xsd and will include a response header (BOEResponseHeader included within the BOETransmissionHeader.xsd). A response to the transmittal will include either a confirmation number as proof of successful transmittal or an error code describing the reason the transmittal was rejected. Rejected transmittals have not been submitted to BOE. Errors must be corrected and another attempt must be made to transmit the return or prepayment information successfully.

Appendix H provides definitions for the elements within the BOETransactionRequestHeader schema (Appendix F, Table 5), an explanation of XML tags and element format restrictions (Table 9), descriptions of XML tags in the BOE response (Appendix F, Table 7), and sample response messages for successful and unsuccessful transmittals (Appendix F, Sample 9).

## 8.8 echo

The echo web service is an optional service used to test that the Direct Transmitter's server and BOE's server are correctly communicating with each other. The test string that is entered by the Direct Transmitter in the message is echoed back in the reply response.

## 8.9 Error Codes and Messages

Rejected transmittals are not accepted by BOE. Error codes are returned to the Direct Transmitter and are meant to aid in debugging the error(s). A message may also be included with the error code, which provides additional information to aid in debugging.

Warning messages may also be returned by BOE. These messages are meant for the tax or fee payer and should be relayed to them by the Direct Transmitter. For example, a warning message may be returned to inform the tax or fee payer that the account needs to be reinstated and that they should contact a BOE representative. The transmittal is accepted (confirmation number is returned to the Direct Transmitter) but additional information is required. An error code will not appear with warning messages.

Appendix I (Table 10) provides a listing of possible error codes and their respective descriptions. Two warning messages (Table 11) are also included in this appendix.

# Appendix A – XML Sample

## Sample 1 – Sales Tax Return and Schedules

<p>BOEReturn Header.xsd</p> <p>Required</p>	<pre> &lt;SUTEFilingRequestV02 typeOfFiling="Original" version="V02.02"&gt;   &lt;FilingHeader&gt;     &lt;BOEAccountNumber&gt;123456789&lt;/BOEAccountNumber&gt;     &lt;FilingTransactionID&gt;1x&lt;/FilingTransactionID&gt;     &lt;Timestamp&gt;2011-10-31T12:07:00 -8.00&lt;/Timestamp&gt;     &lt;TaxPeriodBeginDate&gt;2011-08-01&lt;/TaxPeriodBeginDate&gt;     &lt;TaxPeriodEndDate&gt;2011-08-31&lt;/TaxPeriodEndDate&gt;     &lt;TaxPeriodDueDate&gt;2011-09-30&lt;/TaxPeriodDueDate&gt;     &lt;PeriodEFTIndicator&gt;V&lt;/PeriodEFTIndicator&gt;     &lt;PreparerInformation typeOfPreparer="Taxpayer"&gt;       &lt;Name&gt;Joe Smith&lt;/Name&gt;       &lt;Title&gt;Chief Financial Officer&lt;/Title&gt;       &lt;Phone&gt;916-555-1234&lt;/Phone&gt;       &lt;EmailAddress&gt;J.Smith@acompany.net&lt;/EmailAddress&gt;       &lt;DatePrepared&gt;2011-10-31&lt;/DatePrepared&gt;       &lt;PreparerFirm&gt;         &lt;BusinessName&gt;A Business&lt;/BusinessName&gt;         &lt;Address&gt;           &lt;AddressLine1&gt;1234 A Street&lt;/AddressLine1&gt;           &lt;City&gt;Sacramento&lt;/City&gt;           &lt;State&gt;CA&lt;/State&gt;           &lt;ZIPCode&gt;95814&lt;/ZIPCode&gt;         &lt;/Address&gt;       &lt;/PreparerFirm&gt;     &lt;/PreparerInformation&gt;     &lt;SoftwareID&gt;MySalesTaxes&lt;/SoftwareID&gt;     &lt;SoftwareVersion&gt;1.0&lt;/SoftwareVersion&gt;   &lt;/FilingHeader&gt; &lt;/SUTEFilingRequestV02&gt; </pre>
<p>SalesTaxReturn.xsd</p> <p>Required if filing a return, otherwise the SUTPrepayment is required</p>	<pre> &lt;SalesTaxReturn returnType="401"&gt;   &lt;GrossSales&gt;1223456&lt;/GrossSales&gt;   &lt;SalesFixturesEquipment&gt;1223456&lt;/SalesFixturesEquipment&gt;   &lt;PurchasesSubjectUseTax&gt;1223456&lt;/PurchasesSubjectUseTax&gt;   &lt;DeductionsExemptions&gt;     &lt;StandardDeduction name="SalesResale"&gt;1223456&lt;/StandardDeduction&gt;     &lt;StandardOtherDeduction name="Airtime"&gt;1223456&lt;/StandardOtherDeduction&gt;     &lt;MiscOtherDeduction explanation="String"&gt;1223456&lt;/MiscOtherDeduction&gt;     &lt;PartialExemptions&gt;       &lt;ExemptionMeasure exemptionName="FarmEquipment"&gt;1223456&lt;/ExemptionMeasure&gt;       &lt;TotalExemptionMeasure&gt;1223456&lt;/TotalExemptionMeasure&gt;       &lt;ComputedExemptionAmount&gt;1223456&lt;/ComputedExemptionAmount&gt;     &lt;/PartialExemptions&gt;     &lt;TaxAdjustment adjustmentName="MotorVehicleFuel" adjustmentFactor="0.83333"&gt;       &lt;AdjustmentAmount&gt;1223456&lt;/AdjustmentAmount&gt;       &lt;ComputedAdjustmentAmount&gt;1223456&lt;/ComputedAdjustmentAmount&gt;       &lt;RecoveryAmount name=""BadDebtLosses"&gt;1223456&lt;/RecoveryAmount&gt;     &lt;/TaxAdjustment&gt;   &lt;/DeductionsExemptions&gt;   &lt;TaxBreakDown&gt;     &lt;StateTax&gt;1223456&lt;/StateTax&gt;     &lt;CountyTax/&gt;     &lt;LocalTax&gt;1223456&lt;/LocalTax&gt;   &lt;/TaxBreakDown&gt; &lt;/SalesTaxReturn&gt; </pre>

```

    <AdjustmentsLocalTax>1223456</AdjustmentsLocalTax>
  </TaxBreakDown>
  <ExcessTaxReimbursement>1223456</ExcessTaxReimbursement>
  <ReportedTotalTaxDue>1223456</ReportedTotalTaxDue>
  <Credits>
    <SalesTaxPaidOtherStates>1223456</SalesTaxPaidOtherStates>
    <PriorPeriodCredit year="2008" quarter="1">1223456</PriorPeriodCredit>
    <SalesTaxPrepayment prepayRequirementNumber="1">1223456</SalesTaxPrepayment>
    <SalesTaxPrePaidToFuelSuppliers>1223456</SalesTaxPrePaidToFuelSuppliers>
  </Credits>
  <Penalty>122</Penalty>
  <Interest>12</Interest>
</SalesTaxReturn>

```

SUTSchedule  
A. Xsd  
Optional for  
EZ Returns

```

<SUTScheduleA>
  <SalesDeliveredOutsideDistrict>1223456</SalesDeliveredOutsideDistrict>
  <STJTax>
    <STJCode>013</STJCode>
    <AllocationAmount>1223456</AllocationAmount>
    <STJTaxDue>1223456</STJTaxDue>
  </STJTax>
  <TotalSTJTaxDue>1223456</TotalSTJTaxDue>
</SUTScheduleA>

```

SUTSchedule  
B. Xsd  
Optional

```

<SUTScheduleB>
  <CountyAllocation>
    <County>01-Alameda</County>
    <Amount>1223456</Amount>
  </CountyAllocation>
  <PermanentBusinessLocation>
    <Amount>1223456</Amount>
    <TaxAreaCode>
      <CountyCode>01</CountyCode>
      <LocalCode>000</LocalCode>
      <DistrictCode>013</DistrictCode>
      <InlieuCode>0000</InlieuCode>
    </TaxAreaCode>
  </PermanentBusinessLocation>
</SUTScheduleB>

```

SUTScheduleC.  
Xsd  
Optional

```

<SUTScheduleC>
  <SubOutletInformation>
    <NewLocation>
      <LocationName>Store # 1</LocationName>
      <LocationAddress>
        <AddressLine1>1235 B Street</AddressLine1>
        <City>Placerville</City>
        <State>CA</State>
        <ZIPCode>95678</ZIPCode>
      </LocationAddress>
      <StartDate>2008-08-01</StartDate>
    </NewLocation>
    <AllocatedTaxAmount>1223456</AllocatedTaxAmount>
  </SubOutletInformation>
</SUTScheduleC>

```

<p>SUTMultiPeriod Detail. Xsd</p> <p>Optional</p>	<pre> &lt;SUTMultiPeriodDetail&gt;   &lt;TransactionPeriod rate="0.0825" taxPeriodBeginDate="2011-06-30" taxPeriodEndDate="2011-06-30"&gt;     &lt;DeductionsExemptions&gt;       &lt;StandardDeduction name="BadDebtLosses"&gt;350&lt;/StandardDeduction&gt;       &lt;StandardDeduction name="TaxPaidPurchasesResold"&gt;400&lt;/StandardDeduction&gt;       &lt;PartialExemptions&gt;         &lt;ExemptionMeasure exemptionName="DieselFuelFoodFarming"&gt;-275         &lt;/ExemptionMeasure&gt;         &lt;TotalExemptionMeasure&gt;-275&lt;/TotalExemptionMeasure&gt;         &lt;ComputedExemptionAmount&gt;-286&lt;/ComputedExemptionAmount&gt;       &lt;/PartialExemptions&gt;       &lt;TaxAdjustment adjustmentName="MotorVehicleFuel" adjustmentFactor="0.85714"&gt;         &lt;AdjustmentAmount&gt;0&lt;/AdjustmentAmount&gt;         &lt;ComputedAdjustmentAmount&gt;-375&lt;/ComputedAdjustmentAmount&gt;         &lt;RecoveryAmount name="BadDebtLosses"&gt;175&lt;/RecoveryAmount&gt;         &lt;RecoveryAmount name="TaxPaidPurchasesResold"&gt;200&lt;/RecoveryAmount&gt;       &lt;/TaxAdjustment&gt;     &lt;/DeductionsExemptions&gt;   &lt;/TransactionPeriod&gt; &lt;/SUTMultiPeriodDetail&gt; </pre>
<p>SUTScheduleG. Xsd</p> <p>Optional</p>	<pre> &lt;SUTScheduleG&gt;   &lt;PrepaidSUTFuelTransaction monthYear="082011"&gt;     &lt;Name&gt;A FUEL COMPANY&lt;/Name&gt;     &lt;AccountNumber&gt;123456789&lt;/AccountNumber&gt;     &lt;FuelDetail&gt;       &lt;TypeOfFuel&gt;MVF&lt;/TypeOfFuel&gt;       &lt;Rate&gt;0.055&lt;/Rate&gt;       &lt;Gallons&gt;15000&lt;/Gallons&gt;       &lt;Tax&gt;825&lt;/Tax&gt;     &lt;/FuelDetail&gt;   &lt;/PrepaidSUTFuelTransaction&gt; &lt;/SUTScheduleG&gt; </pre>
<p>BOEPayment. Xsd</p> <p>Optional</p>	<pre> &lt;BOEPayment&gt;   &lt;ACHPayment&gt;     &lt;Checking&gt;X&lt;/Checking&gt;     &lt;RoutingTransitNumber&gt;010000000&lt;/RoutingTransitNumber&gt;     &lt;BankAccountNumber&gt;123456789&lt;/BankAccountNumber&gt;     &lt;PaymentAmount&gt;133&lt;/PaymentAmount&gt;     &lt;AccountHolderType&gt;1&lt;/AccountHolderType&gt;     &lt;RequestedPaymentDate&gt;2008-10-31&lt;/RequestedPaymentDate&gt;   &lt;/ACHPayment&gt; &lt;/BOEPayment&gt;   &lt;RemainingAmountDue reason="NR"&gt;123456.12&lt;/RemainingAmountDue&gt; &lt;/SUTEFilingRequestV02&gt; </pre>

## Sample 2 – Sales Tax Prepayment

```

<SUTEFilingRequestV02 typeOfFiling="Original" version="V02.02">
  <FilingHeader>
    <BOEAccountNumber>123456789</BOEAccountNumber>
    <FilingTransactionID>001</FilingTransactionID>
    <Timestamp>2008-12-28T11:22Z</Timestamp>
    <TaxPeriodBeginDate>2008-10-01</TaxPeriodBeginDate>
    <TaxPeriodEndDate>2008-12-31</TaxPeriodEndDate>
    <TaxPeriodDueDate>2009-01-31</TaxPeriodDueDate>
    <PreparerInformation typeOfPreparer="Taxpayer">
      <Name>Jane Smith</Name>
      <Title>CFO</Title>
      <Phone>(916)555-5555</Phone>
      <DatePrepared>2008-12-28</DatePrepared>
    </PreparerInformation>
    <DeclarationOfIntentToEfile>X</DeclarationOfIntentToEfile>
    <SoftwareID>String</SoftwareID>
    <SoftwareVersion>A1 taxes</SoftwareVersion>
    <BusinessAddress>
      <AddressLine1>123 A St. </AddressLine1>
      <City>Sacramento</City>
      <State>CA</State>
      <ZIPCode>95814</ZIPCode>
    </BusinessAddress>
  </FilingHeader>
  <SUTPrepayment>
    <PrepayRequirementNumber>2</PrepayRequirementNumber>
    <Amount>150</Amount>
    <PriorPeriodCredit year="2007" quarter="2">50</PriorPeriodCredit>
  </SUTPrepayment>
  <RemainingAmountDue reason="NR">100</RemainingAmountDue>
</SUTEFilingRequestV02>

```

## Sample 3 – Use Tax Return

```

<UTaxEFilingRequest typeOfFiling="Original" version="V02.01">
  <FilingHeader>
    <BOEAccountNumber>123456789</BOEAccountNumber>
    <FilingTransactionID>EROTRANSID0001</FilingTransactionID>
    <Timestamp>2011-10-11T11:30:00-07:00</Timestamp>
    <TaxPeriodBeginDate>2011-01-01</TaxPeriodBeginDate>
    <TaxPeriodEndDate>2011-07-31</TaxPeriodEndDate>
    <TaxPeriodDueDate>2012-04-16</TaxPeriodDueDate>
    <PreparerInformation typeOfPreparer="Taxpayer">
      <Name>Name</Name>
      <Title>Title</Title>
      <Phone>121-121-1212</Phone>
    </PreparerInformation>
    <DeclarationOfIntentToEfile>X</DeclarationOfIntentToEfile>
    <SoftwareID>BOE</SoftwareID>
    <SoftwareVersion>002</SoftwareVersion>
  </FilingHeader>
  <UseTaxReturn>
    <PurchasesSubjectUseTax>300000</PurchasesSubjectUseTax>
    <PartialExemptions>
      <ExemptionMeasure exemptionName="TeleproductionEquipment">150000</ExemptionMeasure>
      <TotalExemptionMeasure>150000</TotalExemptionMeasure>
      <ComputedExemptionAmount>132140</ComputedExemptionAmount>
    </PartialExemptions>
    <TaxBreakDown>
      <StateTax>10625</StateTax>
      <CountyTax>750</CountyTax>
      <LocalTax>3000</LocalTax>
    </TaxBreakDown>
    <ReportedTotalTaxDue>18875</ReportedTotalTaxDue>
    <Credits>
      <SalesTaxPaidOtherStates>125</SalesTaxPaidOtherStates>
    </Credits>
  </UseTaxReturn>
  <SUTScheduleA>
    <STJTax>
      <STJCode>087</STJCode>
      <AllocationAmount>300000</AllocationAmount>
    </STJTax>
    <TotalSTJTaxDue>4500</TotalSTJTaxDue>
  </SUTScheduleA>
  <UTMultiPeriodDetail>
    <TransactionPeriod rate="0.08250" taxPeriodBeginDate="2011-01-01" taxPeriodEndDate="2011-06-30">
      <PurchasesSubjectUseTax>100000</PurchasesSubjectUseTax>
      <PartialExemptions>
        <ExemptionMeasure exemptionName="TeleproductionEquipment">50000</ExemptionMeasure>
      </PartialExemptions>
    </TransactionPeriod>
    <TransactionPeriod rate="0.07250" taxPeriodBeginDate="2011-07-01" taxPeriodEndDate="2011-07-31">
      <PurchasesSubjectUseTax>200000</PurchasesSubjectUseTax>
      <PartialExemptions>
        <ExemptionMeasure exemptionName="TeleproductionEquipment">100000</ExemptionMeasure>
      </PartialExemptions>
    </TransactionPeriod>
  </UTMultiPeriodDetail>
  <BOEPayment>
    <ACHPayment>
      <Checking>X</Checking>
      <RoutingTransitNumber>121000358</RoutingTransitNumber>
      <BankAccountNumber>1234512345</BankAccountNumber>
      <PaymentAmount>18750.00</PaymentAmount>
      <RequestedPaymentDate>2011-10-11</RequestedPaymentDate>
    </ACHPayment>
  </BOEPayment>
</UTaxEFilingRequest>

```

## Sample 4 – Prepayment of Sales Tax on Fuel Sales Return

```

<DBEFilingRequest typeOfFiling="Original" version="V02.01">
  <FilingHeader>
    <BOEAccountNumber>12345678</BOEAccountNumber>
    <FilingTransactionID>EROTRANSID0002</FilingTransactionID>
    <Timestamp>2009-12-04T11:16:49-08:00</Timestamp>
    <TaxPeriodBeginDate>2009-10-01</TaxPeriodBeginDate>
    <TaxPeriodEndDate>2009-10-31</TaxPeriodEndDate>
    <TaxPeriodDueDate>2009-11-30</TaxPeriodDueDate>
    <PreparerInformation typeOfPreparer="PaidPreparer">
      <Name>Name</Name>
      <Phone>232-323-2323</Phone>
    </PreparerInformation>
    <DeclarationOfIntentToEfile>X</DeclarationOfIntentToEfile>
    <SoftwareID>BOE</SoftwareID>
    <SoftwareVersion>002</SoftwareVersion>
  </FilingHeader>
  <DBTaxReturn>
    <FuelReturnInformation>
      <TypeOfFuel>MVF</TypeOfFuel>
      <TotalRemovalsEntriesSales>0</TotalRemovalsEntriesSales>
      <ExemptionsCredits>
        <USGovernmentSales>100</USGovernmentSales>
        <Exports>101</Exports>
        <OtherExemptionCredit explanation="Bad Debts">102</OtherExemptionCredit>
        <OtherExemptionCredit explanation="Animal feed">103</OtherExemptionCredit>
        <OtherExemptionCredit explanation="Other Deduction 1">104</OtherExemptionCredit>
        <OtherExemptionCredit explanation="Other Deduction 2">105</OtherExemptionCredit>
      </ExemptionsCredits>
      <PrepaymentAmountDue>1549</PrepaymentAmountDue>
      <AmountPrepaidToOthers>330</AmountPrepaidToOthers>
      <AmountDue>1219</AmountDue>
      <Penalty>121.90</Penalty>
      <Interest>121.92</Interest>
    </FuelReturnInformation>
    <FuelReturnInformation>
      <TypeOfFuel>Diesel</TypeOfFuel>
      <TotalRemovalsEntriesSales>20000</TotalRemovalsEntriesSales>
      <ExemptionsCredits>
        <USGovernmentSales>200</USGovernmentSales>
        <Exports>201</Exports>
        <OtherExemptionCredit explanation="Bad Debts">-202</OtherExemptionCredit>
        <OtherExemptionCredit explanation="Animal feed">203</OtherExemptionCredit>
        <OtherExemptionCredit explanation="Other Deduction 1">204</OtherExemptionCredit>
        <OtherExemptionCredit explanation="Other Deduction 2">205</OtherExemptionCredit>
      </ExemptionsCredits>
      <PrepaymentAmountDue>2974</PrepaymentAmountDue>
      <AmountPrepaidToOthers>620</AmountPrepaidToOthers>
      <AmountDue>2354</AmountDue>
      <Penalty>235.40</Penalty>
      <Interest>235.44</Interest>
    </FuelReturnInformation>
  </DBTaxReturn>
</DBEFilingRequest>

```

```

<FuelReturnInformation>
  <TypeOfFuel>AJF</TypeOfFuel>
  <TotalRemovalsEntriesSales>30000</TotalRemovalsEntriesSales>
  <ExemptionsCredits>
    <USGovernmentSales>300</USGovernmentSales>
    <Exports>301</Exports>
    <OtherExemptionCredit explanation="Bad Debts">303</OtherExemptionCredit>
    <OtherExemptionCredit explanation="Animal feed">303</OtherExemptionCredit>
    <OtherExemptionCredit explanation="Other Deduction 1">304</OtherExemptionCredit>
    <OtherExemptionCredit explanation="Other Deduction 2">305</OtherExemptionCredit>
  </ExemptionsCredits>
  <PrepaymentAmountDue>3523</PrepaymentAmountDue>
  <AmountPrepaidToOthers>750</AmountPrepaidToOthers>
  <AmountDue>2773</AmountDue>
  <Penalty>277.30</Penalty>
  <Interest>277.32</Interest>
</FuelReturnInformation>
<CombinedAmountDue>7615</CombinedAmountDue>
</DBTaxReturn>
<DBScheduleA>
  <TaxableFuelTransaction monthYear="102009">
    <Name>COMPANY A</Name>
    <AccountNumber>12345677</AccountNumber>
    <FuelDetail>
      <TypeOfFuel>AJF</TypeOfFuel>
      <Rate>0.125</Rate>
      <Gallons>29000</Gallons>
      <Tax>3625</Tax>
    </FuelDetail>
  </TaxableFuelTransaction>
</DBScheduleA>
<DBScheduleB>
  <PrepaidSUTFuelTransaction monthYear="012009">
    <Name>COMPANY B</Name>
    <AccountNumber>12345676</AccountNumber>
    <FuelDetail>
      <TypeOfFuel>AJF</TypeOfFuel>
      <ReportedRate>0.115</ReportedRate>
      <Gallons>3001</Gallons>
      <Tax>375</Tax>
    </FuelDetail>
  </PrepaidSUTFuelTransaction>
</DBScheduleB>
<BOEPayment>
  <ACHPayment>
    <Checking>X</Checking>
    <RoutingTransitNumber>121000248</RoutingTransitNumber>
    <BankAccountNumber>111122222</BankAccountNumber>
    <PaymentAmount>7615.28</PaymentAmount>
    <RequestedPaymentDate>2009-12-04</RequestedPaymentDate>
  </ACHPayment>
</BOEPayment>
</DBEFilingRequest>

```

## Appendix B – getAccountEligibility

Table 1 – Elements

Element/Attribute	Description	Comments / Examples
usage	Describes whether this is a Test or Production Request.	Valid values are "Test" or "Production"
version	Describes the BOE schema version used to validate the XML document.	Valid values are "V02.01"
RequestTimeStamp	The date and time that the request is being made.	YYYY-MM-DDTHH:MM:SSZZZZ where ZZZZ represents the time zone differential.  Timezone portion is required and fractional seconds are prohibited Example 2006-02-08T20:07:37Z
TransmitterID	The authorized user ID assigned when certification is complete.	
transmitterType	Identifies the type of Direct Transmitter.	Valid values are "ERO", "Software", or "EPP"
transmitterVersion	Identifies the version of the software used to build and send the XML document.	
AccountNumber	Tax or fee payer's BOE account number.	

Table 2 -XML Tags in the BOE Response

Element	Description	Comments / Examples
BOEResponseHeader	The response header has basic information about the communication.	
RequestTimestamp	The date and time the getAccountEligibility request was made.	
ResponseTimestamp	The date and time the getAccountEligibility response was sent.	
<u>RequestTransmitterID</u>	Transmitter's ID.	The two attributes for this element are transmitterType and transmitterVersion.
transmitterType	Identifies the type of transmitter.	Valid values are "ERO", "Software", or "EPP"
transmitterVersion	Identifies the version of software used to format the message.	Returning this information may aid in debugging.
<b>AccountEligibilityResponse</b>		
Taxpayer		Optional. This may be blank if no match found at BOE.
Name	Tax or fee payer's name.	Optional
DBAName	Fictitious business name.	Optional
Address	The physical address of a business.	Optional
AccountNumber	Tax or fee payer's BOE account number.	Optional. Echoed back for confirmation or error correction.
EligibleFilingPeriod	List of returns or prepayments that can be eFiled.	
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	YYYY-MM-DD
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	YYYY-MM-DD
TaxPeriodDueDate	The due date of the return or prepayment for the given period.	YYYY-MM-DD
PaperForm	Type of filing for the given period.	Return or prepayment form.
FormID	SUT-401 or SUT-EZ for the Sales Tax return SUT-PREPAY for the Sales/Use Tax prepayment form SUT-401-E for the Use Tax return SG-401 for the Prepayment of Sales Tax on Fuel Sales return	
FormVersion	Indicates the paper form version.	If 0, no version information was retrieved.  The getFilingPeriod (see Appendix C) will return the form versions for returns and prepayments as well supporting schedules.
FilingPeriodDueDate	Due date for the Quarterly period for which a prepayment is due.	Optional. This field will be populated only if the PaperForm is a prepayment form.

Element	Description	Comments / Examples
PrepayRequirementNumber	Identifies which of the prepayments are being filed.	Optional. Number may range from 1 to 3.
BOEPhoneNumber	1-800-400-7115	Contact information for tax or fee payers.
Message	Principle status message.	See Section 8.9 and Appendix I
ErrorCode	Error code(s) returned from the BOE	See Appendix I
ErrorMessage	Error messages returned from the BOE	See Appendix I

## Sample 5 – getAccountEligibility Response

```

<AccountEligibilityResponse version="V02.01">
  <Taxpayer>
    <Name>Joe Smith</Name>
    <DBAName>A1 Business</DBAName>
    <Address>
      <AddressLine1>123 Test St</AddressLine1>
      <City>Sacramento</City>
      <State>CA</State>
      <ZIPCode>12345</ZIPCode>
    </Address>
  </Taxpayer>
  <TaxProgram>ST</TaxProgram>
  <TaxType>SR</TaxType>
  <AccountNumber>123456789</AccountNumber>
  <EligibleFilingPeriod>
    <TaxPeriodBeginDate>2008-08-01</TaxPeriodBeginDate>
    <TaxPeriodEndDate>2008-08-31</TaxPeriodEndDate>
    <TaxPeriodDueDate>2008-09-30</TaxPeriodDueDate>
    <PaperForm>
      <FormID>SUT-E401</FormID>
      <FormVersion>0</FormVersion>
    </PaperForm>
    <PaperForm>
      <FormID>SUT-SCH-A</FormID>
      <FormVersion>0</FormVersion>
    </PaperForm>
  </EligibleFilingPeriod>
  <BOEPhoneNumber>1-800-400-7115</BOEPhoneNumber>
</AccountEligibilityResponse>

```

# Appendix C – getFilingPeriod

Table 3 – Elements

Element	Description	Comments / Examples
AccountNumber	Tax or fee payer's BOE account number.	
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	Required. The start date of the filing period as returned in the getAccountEligibility request.
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	Required. The end date of the filing period as returned in the getAccountEligibility request.
TaxPeriodDueDate	The due date of the return or prepayment for the given period.	Required. The due date of the filing period as returned in the getAccountEligibility request.
PrepayRequirementNumber	Identifies which of the prepayments are being filed.	Optional. Number may range from 1 to 3.

Table 4 -XML Tags in the BOE Response

Element	Description	Comments / Examples
<u>Taxpayer</u>		
Name	Tax or fee payer's name.	
DBAName	Fictitious business name.	
Address	The physical address of a business.	
AccountNumber	Tax or fee payer's BOE account number.	Example 123456789
TaxProgram	Tax program for which the taxpayer must file.	Valid value is "ST"
TaxType	Taxable Activity Type (TAT)	Example SR
TaxTypeIndicator	TAT indicator sent as part of the AccountNumber.	Valid values are "S", "Y", "Z"
DistrictOfficeCode	District code sent as part of the AccountNumber.	Example KH
Basis	A code that represents the frequency in which the tax or fee payer must file.	Values are: M= Monthly Q= Quarterly QP= Quarterly Prepay Y= Calendar Yearly F= Fiscal Yearly
EFTIndicator	A code that represents the EFT condition of the account.	Values are "M" (Mandatory) or "V" (Voluntary)
<u>RequestedPeriod</u>	Provides information about a specific filing period.	
FormID	SUT-E401 for the Sales Tax return SUT-PREPAY for the Sales Tax prepayment form SUT-401-E for the Use Tax return SG-401 for the Prepayment of Sales Tax on Fuel Sales return	
FormVersion	Indicates the paper form version.	Example 1
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	
TaxPeriodDueDate	The due date of the return or prepayment for the given period	
FilingPeriodDueDate	Return due date	If the filing required is a prepayment form, this date is the due date of the return period for which the prepayment applies.
<u>PaperForm</u>	Type of filing for the given period.	
Form ID	A code that represents the paper form a taxpayer would normally file.	Includes schedules, prepayments, and returns.
Form Ver	Indicates the paper form version.	Example 1
BatchCode	Batch code.	
BOEPaymentZipPlusFour	Nine digit zip code to be printed on payment vouchers.	We no longer allow payment vouchers to be submitted by Direct Transmitters.
NumberOfPrepayRequirements	The number of prepayments a taxpayer must make.	Used to restrict prepayment credits claimed on the return form. Number may range from 1 to 3.
PrepayRequirementNumber	Identifies which of the prepayments are being filed.	Will appear only for a period for which a prepayment form is due. Number may range from 1 to 3.
TaxAreaCode	Tax area code representing the taxing jurisdiction.	Used to determine the tax rate for a specific period. Each section of the tax area code represents a part of the total tax rate.
FilingYearQuarter	The year and quarter for which a prepayment applies.	

## Sample 6 – Sample getFilingPeriod Response

```

<FilingPeriodResponse version="V02.01">
  <Taxpayer>
    <Name>Joe Taxpayer</Name>
    <DBAName>A1 Business</DBAName>
    <Address>
      <AddressLine1>123 Test Street</AddressLine1>
      <City>Sacramento</City>
      <State>CA</State>
      <ZIPCode>95814</ZIPCode>
    </Address>
  </Taxpayer>
  <AccountNumber>123456789</AccountNumber>
  <TaxProgram>ST</TaxProgram>
  <TaxType>SR</TaxType>
  <TaxTypeIndicator>S</TaxTypeIndicator>
  <DistrictOfficeCode>KH</DistrictOfficeCode>
  <Basis>Y</Basis>
  <RequestedPeriod>
    <FormID>String</FormID>
    <FormVersion>Str</FormVersion>
    <TaxPeriodBeginDate>1000-x</TaxPeriodBeginDate>
    <TaxPeriodEndDate>1000-x</TaxPeriodEndDate>
    <TaxPeriodDueDate>1000-x</TaxPeriodDueDate>
    <FilingPeriodDueDate>1000-x</FilingPeriodDueDate>
    <PaperForm>
      <FormID>String</FormID>
      <FormVersion>Str</FormVersion>
    </PaperForm>
    <BatchCode>Str</BatchCode>
    <BOEPaymentZipPlusFour>0000</BOEPaymentZipPlusFour>
    <EFTIndicator>M</EFTIndicator>
    <NumberOfPrepayRequirements>1</NumberOfPrepayRequirements>
    <TaxAreaCode>
      <CountyCode>01</CountyCode>
      <LocalCode>000</LocalCode>
      <DistrictCode>013</DistrictCode>
      <InlieuCode>0000</InlieuCode>
    </TaxAreaCode>
  </RequestedPeriod>
  <BOEPhoneNumber>String</BOEPhoneNumber>
  <Message>String</Message>
  <Error>
    <ErrorCode>Str</ErrorCode>
    <ErrorMessage>String</ErrorMessage>
  </Error>
  <SystemErrorMessage>String</SystemErrorMessage>
</FilingPeriodResponse>

```

## Appendix D – getSubLocation

### Sample 7 – getSubLocation Sample Response

```

<SubLocationResponse version="V02.01">
  <AccountNumber>123456789</AccountNumber>
  <StartDate>08-01-2008-x</EndDate>
  <NumberOfSubLocations>2</NumberOfSubLocations>
  <SubOutletInformation>
    <LocationName>Store 1</LocationName>
    <LocationAddress>
      <AddressLine1>123 Test St</AddressLine1>
      <City>Sacramento</City>
      <State>CA</State>
      <ZIPCode>95814</ZIPCode>
    </LocationAddress>
    <LocationNumber>1</LocationNumber>
    <TaxAreaCode>
      <CountyCode>01</CountyCode>
      <LocalCode>000</LocalCode>
      <DistrictCode>013</DistrictCode>
      <InlieuCode>0000</InlieuCode>
    </TaxAreaCode>
  </SubOutletInformation>
  <SubOutletInformation>
    <LocationName>Store 2</LocationName>
    <LocationAddress>
      <AddressLine1>999 Test St</AddressLine1>
      <City>Sacramento</City>
      <State>CA</State>
      <ZIPCode>95815</ZIPCode>
    </LocationAddress>
    <LocationNumber>2</LocationNumber>
    <TaxAreaCode>
      <CountyCode>01</CountyCode>
      <LocalCode>000</LocalCode>
      <DistrictCode>013</DistrictCode>
      <InlieuCode>0000</InlieuCode>
    </TaxAreaCode>
  </SubOutletInformation>
</SubLocationResponse>

```

## Appendix E – getSUTPrepayFuelRates

### Sample 8 – getSUTPrepayFuelRates Sample Response

```
<SUTFuelPPRateResponse periodEndDate="2011-07-30">
  <FuelRate>
    <FuelType>MVF</FuelType>
    <Rate>0.055000</Rate>
    <StartDate>2010-07-01</StartDate>
  </FuelRate>
  <FuelRate>
    <FuelType>Diesel</FuelType>
    <Rate>0.250000</Rate>
    <StartDate>2011-07-01</StartDate>
  </FuelRate>
  <FuelRate>
    <FuelType>AJF</FuelType>
    <Rate>0.120000</Rate>
    <StartDate>2010-04-01</StartDate>
  </FuelRate>
</SUTFuelPPRateResponse>
```

# Appendix F – fileSalesTaxReturn

Table 5 – BOETransactionRequestHeader Elements

Element	Description	Comments / Examples
Usage Attribute	Describes whether this is a Test or Production Request.	When implementing to production, change the Usage attribute from Test to Production.
Version Attribute	Version is set at V02.01.	
RequestTimestamp	The date and time the request was made.	
TransmitterID	Transmitter's ID.	The value in this field must match the "username" included to authorize access to the service. There are two attributes for this element: type and version.
transmitterType	Identifies the type of transmitter.	Valid values are "ERO", "Software", and "EPP"
Transmission ID	A unique ERO assigned ID for this transmission.	Example TEST-ERO-000
Transmission content	Describes what is included in this transmission.	
Transaction ID	A unique ERO assigned ID for the transaction being transmitted.	This ID identifies the transaction being transmitted. It must match the FilingTransactionID of the actual return being filed.
Account number	Tax or fee payer's BOE account number.	Example 123456789
Content	A code representing the type of content for this transaction.	Valid values include: "SUTEFilingRequestV02" "UTaxEFilingRequest" "DBEFilingRequest"

Table 6 – Description of XML Tags and Element Format Restrictions (Direct Transmitter to BOE)

Please note the following:

- Fields denoted with an “N” can contain 11 digits or less.
- All amounts or measures used as a base to compute tax upon is required to be transmitted.
- Except for interest and penalty, report only whole dollar amounts.
- When reporting a negative value, place a minus sign (-) to the left of the N string.
- Since the BOE will verify all calculations, most of the calculated fields that appear on the paper form have been omitted from the electronic version.

Element	Description	Format	Length	Comments / Examples
SUTEFilingRequestV02	Root element for the XML form. Attributes include typeOfFiling			Only “Original” is allowed at this time. Version is “V02.02”
BOEAccountNumber	Tax or fee payer’s BOE account number	N	9	
FilingTransactionID	A unique transaction number assigned by the sender that will be used for error recovery and/or messages.	A	20	This value must match the Transaction ID that the Transaction Content section of the BOETransactionRequestHeader indicated was being filed.
Timestamp	Transaction sent date	A	8	yyyy-mm-dd'Thh:mm:sszzzz where zzzz represents the time zone differential.
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	A	10	YYYY-MM-DD. For prepayment forms, this field should contain the period of the prepayment, not the quarterly period.
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	A	10	YYYY-MM-DD. For prepayment forms, this field should contain the period of the prepayment, not the quarterly period.
TaxPeriodDueDate	The due date of the return for the given period.	A	10	Optional: YYYY-MM-DD. For prepayment forms, this field should contain the due date of the prepayment, not the quarterly period.
PeriodEFTIndicator	The indicator for the type of EFT account.	A	1	If the EFTIndicator in the FilingPeriodResponse was populated, that value must be returned.
PreparerInformation	Information about the person preparing the tax return. Includes the attribute typeOfPreparer.			Valid values are “Taxpayer” or “PaidPreparer”
Name	Name of tax preparer	A	50	
Title	Title of tax preparer	A	35	Optional
PreparerID	A BOE assigned ID number to a tax preparer.	N	11	Optional. Not used at this time.
Phone	Phone number for tax preparer.	A	15	Optional
Fax	Fax number for tax preparer.	A	15	Optional
EmailAddress	Email address for tax preparer.	A	75	Optional

Table 6 (cont.)

Element	Description	Format	Length	Comments / Examples
DatePrepared	Date return was prepared.	A	10	Optional YYYY-MM-DD
PreparerFirm	Name of tax preparer's firm.	A		Optional
BusinessName	Name of tax preparer's business.	A	50	
Address	Address of tax preparer.			Optional
AddressLine1		A	40	
AddressLine2		A	40	Available if needed.
InCareOfName	Contact name	A	50	
City	City of tax preparer.	A	30	
State / Province	State of tax preparer.	A		State code from table in schema.
ZIPCode / PostalCode	Zip code of tax preparer.	N	9	
Country	Country of tax preparer (see table)			
DeclarationOfIntentToEfile	Acts as a digital signature.			
SoftwareID	The ID of the software used to create the XML for the return	A	20	This ID must be registered with BOE.
SoftwareVersion	The version of the software product used to create the XML for the return	A	20	
Contact	Contact name for questions regarding the return/prepayment.			Optional: There is one attribute TypeOfContact to describe whether this is a General contact or a Technical contact.
BusinessAddress				Optional
<b>SalesTaxReturn</b>				
GrossSales	Total gross sales.	N	11	
SalesFixturesEquipment	Sales of fixtures and equipment.	N	11	Optional
PurchasesSubjectUseTax	Purchases subject to use tax.	N	11	Optional
DeductionsExemptions	Non-taxable transactions (deductions and exemptions).	N	11	Optional.
TaxBreakDown	Calculated tax breakdowns.	N	11	Optional: If transmitted, they must contain the correct breakdown of the total tax calculated.
StateTax	The portion of the calculated tax due that corresponds to the State Tax.	N	11	
CountyTax	The portion of the calculated tax due that corresponds to the County Tax.	N	11	
LocalTax	The portion of the calculated tax due that corresponds to the Local Tax.	N	11	
AdjustmentsToLocalTaxMeasure	This adjustment represents an adjustment for sales made to an aircraft common carrier.	N	11	This adjustment requires a schedule that is not at present available for eFiling. This element is intended for future use.
ExcessTaxReimbursement	Amount of tax collected in excess of the amount due.	N	11	Optional
ReportedTotalTaxDue	The calculated amount of total taxes due including State, County, Local, and District before adjustments for credits.	N	11	
<b>Credits</b>				
SalesTaxPaidOtherStates	Credit for tax paid to other states.	N	11	Optional: To claim this credit, the purchase price must be included in PurchasesSubjectUseTax.

Table 6 (cont.)

Element	Description	Format	Length	Comments / Examples
<u>PriorPeriodCredit</u>	Credit taken for prior period overpayments.	N	11	Optional: Taxpayer may claim prior period credits if the BOE has authorized the credit (BOE will send a letter to the taxpayer).  There is a limit of five prior credits that can be claimed.  This element has two attributes: Year and Quarter
<u>PriorPeriodCredit (cont.)</u>				
year	The year in which the prior period credit is associated with.	N	4	Optional
quarter	The quarter for which the prior period credit is associated with.	N	1	Optional: Valid values are 1, 2, 3 or 4.
SalesTaxPrepayment	Credit taken for prepayments made for the period.	N	11	Optional: This field would only be valid for a return filing. There is one attribute for this element: <u>prepayRequirementNumber</u>
<u>prepayRequirementNumber</u>	The prepayment requirement being claimed.	N	1	Valid values are 1, 2, or 3.
SalesTaxPrepaidToFuelSuppliers	The total credit amount from SUTScheduleG.	N	11	This element is expected only when SUTScheduleG is also sent. Do not send otherwise.
Penalty	Penalty of 10% on tax due if filing after the period due date.	N	9.2	Reported in dollars and cents. Example 0.00
Interest	Interest on tax due if filing after the period due date.	N	9.2	Reported in dollars and cents. Example 0.00. An interest calculator may be found at <a href="http://www.boe.ca.gov">www.boe.ca.gov</a> .
<b>SUTScheduleA</b>	Schedule for reporting District Tax distribution.			
SalesDeliveredOutsideDistrict	The amount of taxable sales made by the business to customers outside of a District Tax area.	N	11	The sum of this amount and the total AllocationAmount must equal the calculated measure of Sales less Deductions and/or Exemptions.
STJCode	District Tax jurisdiction code.			Valid codes and rates may be found at <a href="http://www.boe.ca.gov">www.boe.ca.gov</a> as well as the BOE XML Schema.
AllocationAmount	Total taxable sales made in the District.	N	11	
AdjustmentAmount	Adjustments to the AllocationAmount.	N	11	
STJTaxDue	Calculated tax based upon the AllocationAmount.	N	11	
TotalSTJTaxDue	Total District Tax due for all Districts.	N	11	
<b>SUTScheduleB</b>	Schedule for reporting Local Tax allocation by County.			
<u>CountyAllocation</u>	Allocation of Local Tax by County.			Optional: May include zero amounts.
County	County code and name of the County	A		In the format NN-xxxxxxx for example 34-Sacramento (See table of California Counties included in the BOE XML Schemas).
Amount	Total Local Tax allocated to the County.	N	11	
<u>PermanentBusinessLocation</u>	Permanent business location in	N	11	

Table 6 (cont.)

Element	Description	Format	Length	Comments / Examples
	California. Provides the tax area code and local tax amount.			
Amount	Amount of Local Tax allocated to the permanent business location.	N	11	
<u>TaxAreaCode</u>	The tax area code of the permanent business location assigned by the BOE.			Retrieved from the FilingPeriodResponse.
CountyCode	County Code portion of the tax area code.	N	2	
LocalCode	Local Code portion of the tax area code.	N	3	
DistrictCode	District Code portion of the tax area code.	N	3	
InlieuCode	Special In-Lieu Code portion of the tax area code.	N	4	
NothingToReport	No Local Tax to report to the County or PermanentBusinessLocation.	A	1	Valid value when applicable is "X". This is used when there are no taxable sales made during the reporting period (i.e. no Local Tax to report).
<b>SUTScheduleC</b>	Schedule for reporting Local Tax allocation by Sub Outlet.			
<u>SubOutletInformation</u>	Location address and information.			
<u>NewLocation</u>	New Sub Outlets not registered with the BOE.			Does not require an AllocationAmount.
LocationName	Business name for new location.	A	50	
LocationAddress	The physical address for the new location.			Street, City, State, Zip
StartDate	The date on which sales began.	N	10	YYYY-MM-DD
<u>Temporary Location</u>	The indicated location is a temporary location and should not be registered with the BOE as a permanent location.			
LocationName	Business name for temporary location.	A	50	
LocationAddress	The physical address for the temporary location.			Street, City, State, Zip
StartDate	The date on which sales began.	N	10	YYYY-MM-DD
<u>ExistingLocation</u>				
LocationName	The business name as registered with the BOE.	A	50	
LocationAddress	The physical address as registered with the BOE.			Street, City, State, Zip
LocationNumber	The sub outlet number as registered with the BOE.	N	4	Cannot report multiple allocations for each sub outlet.
<u>TaxAreaCode</u>	A 12 digit numeric code representing the jurisdictional areas to which taxes paid by this business will be distributed.	N	12	Retrieved from the SubLocationResponse.
CountyCode	County Code portion of the tax area code.	N	2	

Table 6 (cont.)

Element	Description	Format	Length	Comments / Examples
LocalCode	Local Code portion of the tax area code.	N	3	
DistrictCode	District Code portion of the tax area code.	N	3	
InlieuCode	Special In-Lieu Code portion of the tax area code.	N	4	
<u>LocationMove</u>	Taxpayer has moved from an ExistingLocation to a new location.			
LocationName	The name of the business that has moved.	A	50	This is an optional field to be used only if the business name changes
LocationAddress	The physical address of the new location.			Street, City, State, Zip
StartDate	Date on which sales began at the new location.	N	10	YYYY-MM-DD
<u>LocationCloseOut</u>	A registered location with the BOE has been sold or closed.			
CloseOutDate	Date when business closed.	N	10	YYYY-MM-DD
BusinessSold	Indicates if business was sold or not.			Valid values are true or false.
<u>LocationAddressCorrection</u>	Address correction for a registered location.			
AddressLine1		A	40	
AddressLine2		A	40	
City		A	30	
State		A		State code from table in schema.
ZipCode		N	9	
AllocatedTaxAmount	Local Tax amount.	N	11	For each address transaction transmitted, either an allocation amount must be reported or the NothingToAllocate element must be sent.
NothingToAllocate	No Local Tax to allocate to a location.			If sent, "X" must be used as the value.
NothingToReport	No Local Tax to report (no taxable sales).			If sent, "X" must be used as the value.
<b>SUTMultiPeriodDetail</b>	This schedule is for reporting sales and use tax transactions for various rates.			This information should be included in the SalesTaxReturn element as a summary for the return.
TransactionPeriod				Optional: Each occurrence must explain which rate and period the sales and deductions apply to: The three attributes, TaxPeriodBeginDate, TaxPeriodEndDate and Rate are used to provide this information.
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	N	10	YYYY-MM-DD
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	N	10	YYYY-MM-DD
Rate	Identifies the rate to apply to the transactions.	N		
GrossSales		N	11	Optional

Table 6 (cont.)

Element	Description	Format	Length	Comments / Examples
SalesFixturesEquipment		N	11	Optional
PurchasesSubjectUseTax		N	11	Optional
DeductionsExemptions		N	11	Optional
<b>SUTScheduleG</b>	Schedule for reporting Sales Tax Prepaid to Fuel Suppliers.			
<u>PrepaidSUTFuelTransaction</u>	An individual fuel transaction detailing the sales tax prepaid to a fuel supplier.			
monthYear	The month and year when the fuel transaction occurred.	N	4	Must be in MMY format.
Name	The name of the fuel supplier.	A	50	
AccountNumber	The BOE account number of the supplier.	N	9	
<u>FuelDetail</u>	The detailed information on the fuel transaction.			
TypeOffuel	The type of fuel purchased from the supplier.	A		Valid values include "MVF", "Diesel", or "AJF".
Rate	The official rate for the type of fuel for the period of the return.	N	1.5	If this is used instead of ReportedRate, monthYear must be within the period of the return. Use getSUTPrepayFuelRates to retrieve the fuel rates in effect.
ReportedRate	The taxpayer reported rate for the transaction.	N	1.5	Use this element instead of Rate only if the transaction was made outside of the period of the return or the rate is not the same as the official rate
Gallons	The gallons of fuel purchased from the supplier.	N	11	
Tax	The amount of tax prepaid to the fuel supplier.	N	11.2	
NothingToReport	No prepaid sales tax to report.			If sent, "X" must be used as the value.
<b>Prepayment</b>				
<u>SUTPrepayment</u>	Prepayment filing			Each transmission should include only a return or prepayment, but not both.
PrepaymentRequirementNumber	Prepayment period being filed.	N	1	A taxpayer may be required to file one, two, or three prepayments during a quarterly period. This number indicates which prepayment is being filed.
Amount	Amount of pre-payment	N	11	
PriorPeriodCredit	Pre-payment credits as a result of over payments made in prior quarters.	N	11	Taxpayer may claim prior period credits if the BOE has authorized the credit (BOE will send a letter to the taxpayer).  There is a limit of five prior credits that a taxpayer may claim.
PriorPeriodCredit (cont.)				This element has two attributes: Year and Quarter
Year	The year in which the prior period credit is associated with.	N	4	Must be in YYYY format.
Quarter	The quarter for which the prior period credit is associated with.	N	1	Valid values are 1, 2, 3 or 4.

Table 6 (cont.)

Element	Description	Format	Length	Comments / Examples
Penalty	Penalty of 6% on tax due if filing after the prepayment period due date (not the return due date).	N	9.2	Reported in dollars and cents. Example 0.00
<b>Payment</b>				
<u>BOEPayment</u>	Required when an ACH Debit is included with the return.			
<u>ACHPayment</u>				
Checking / Savings	Checkbox indicating the bank account is a checking or savings account.			
RoutingTransitNumber	Bank ABA number	N	9	
BankAccountNumber	Bank account number from which the funds will be withdrawn.	A	17	
PaymentAmount	Total payment amount.	N	9.2	Reported in dollars and cents. Example 0.00
IdentificationNumber			15	
AccountHolderName	Name on the tax or fee payer's BankAccount.			Optional
AccountHolderType	Indicates the bank account is a business or personal account.	N	1	Optional: Valid values are 1 or 2.
RequestedPaymentDate	Date when the BOE should initiate debit transaction.	N	10	Optional: YYYY-MM-DD
<u>CreditCardPayment</u>				Only credit card payments made through the official third party processor are accepted. See Section 5.1 for more information.
ProcessorID	Identifies the third party credit card processor.	A	3	Current value is "OPC" for Official Payment Corp.
PaymentAmount				
CardType	Credit card company as returned by the credit card payment provider.			
Authorization	The authorization number returned by the credit card payment provider.	A		
AuthorizationDate	The date the credit card payment was made as returned by the credit card payment provider.	A		
AuthorizationTime	The time the credit card payment was made as returned by the credit card payment provider.	A		
RemainingAmountDue	Indicates when the full payment or part of the payment is made outside of the transmittal (not included with the return).	N	11	Valid values are:  "NR" when payment is made outside the transmittal for non-EFT accounts  "PR" when a partial payment is included in BOEPayment – the remainder of which is included here  "RO" when an ACH payment is made outside the transmittal for EFT accounts  "AC" when an ACH Credit payment is

Table 6 (cont.)

Element	Description	F o r m a t	Length	Comments / Examples
				made outside the transmittal for EFT accounts

Table 7 –XML Tags in the BOE Response

Element	Description	Comments / Examples
<b>Confirmation</b>		
FilingTransactionID	Unique transaction identifier provided by the Direct Transmitter for the filing.	Optional. Echoed back for security or error correction.
ConfirmationID	Confirmation ID number.	Receipt of this number is proof that the return has been filed.
AccountNumber	Tax or fee payer's BOE account number.	Optional. Echoed back for security or error correction.
TaxProgram	Tax program for which the taxpayer must file.	
TaxType	Taxable Activity Type (TAT)	
FormID	SUT-401 for the Sales Tax return SUT-Prepay for the Sales Tax prepayment form	
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	YYYY-MM-DD
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	YYYY-MM-DD
BOEPhoneNumber	1-800-400-7115	Contact information for tax or fee payers.
Message	Advisory message	Message of interest to the Direct Transmitter or the tax or fee payer. If the message appears with no err-code, this message should be displayed back to the taxpayer. If the message appears with an err-code then this message indicates the reason for the problem.
Error		Group level consisting of ERR-CODE and optional ERR-MSG
ErrorCode	Error code(s) returned from the BOE	See Appendix I, Table 10
ErrorMessage	Error messages returned from the BOE	See Appendix I, Table 10
SystemErrorMessage	System error message	BOE USE ONLY—these error messages will be used only by BOE and will not be sent to the Direct Transmitter.

## Sample 9 – Sample Responses

### Successful Transmittal

```
<EFilingResponse version="V02.01">  
  <FilingTransactionID>EROTRANSID0001</FilingTransactionID>  
  <ConfirmationID>12345678911</ConfirmationID>  
  <AccountNumber>123456789</AccountNumber>  
  <TaxPeriodBeginDate>2008-08-01</TaxPeriodBeginDate>  
  <TaxPeriodEndDate>2008-08-31</TaxPeriodEndDate>  
  <BOEPhoneNumber>1-800-400-7115</BOEPhoneNumber>  
</EFilingResponse>
```

### Unsuccessful Transmittal

```
<EFilingResponse version="V02.01">  
  <FilingTransactionID>EROTRANSID0001</FilingTransactionID>  
  <AccountNumber>123456789</AccountNumber>  
  <TaxPeriodBeginDate>2008-08-01</TaxPeriodBeginDate>  
  <TaxPeriodEndDate>2008-08-31</TaxPeriodEndDate>  
  <BOEPhoneNumber>1-800-400-7115</BOEPhoneNumber>  
  <Error>  
    <ErrorCode>100</ErrorCode>  
  </Error>  
</EFilingResponse>
```

## Appendix G – fileUseTaxReturn

Table 8 – Description of XML Tags and Element Format Restrictions (Direct Transmitter to BOE)

Element	Description	Format	Length	Comments / Examples
UTaxEFilingRequest	Root element for the XML form. Attributes include typeOfFiling			Only “Original” is allowed at this time. Version is “V02.01”
BOEAccountNumber	Tax or fee payer’s BOE account number	N	9	
FilingTransactionID	A unique transaction number assigned by the sender that will be used for error recovery and/or messages.	A	20	This value must match the Transaction ID that the Transaction Content section of the BOETransactionRequestHeader indicated was being filed.
Timestamp	Transaction sent date	A	8	yyyy-mm-ddThh:mm:sszzzz where zzzz represents the time zone differential.
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	A	10	YYYY-MM-DD. For prepayment forms, this field should contain the period of the prepayment, not the quarterly period.
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	A	10	YYYY-MM-DD. For prepayment forms, this field should contain the period of the prepayment, not the quarterly period.
TaxPeriodDueDate	The due date of the return for the given period.	A	10	Optional: YYYY-MM-DD. For prepayment forms, this field should contain the due date of the prepayment, not the quarterly period.
PeriodEFTIndicator	The indicator for the type of EFT account.	A	1	If the EFTIndicator in the FilingPeriodResponse was populated, that value must be returned.
PreparerInformation	Information about the person preparing the tax return. Includes the attribute typeOfPreparer.			Valid values are “Taxpayer” or “PaidPreparer”
Name	Name of tax preparer	A	50	
Title	Title of tax preparer	A	35	Optional
PreparerID	A BOE assigned ID number to a tax preparer.	N	11	Optional. Not used at this time.
Phone	Phone number for tax preparer.	A	15	Optional
Fax	Fax number for tax preparer.	A	15	Optional
EmailAddress	Email address for tax preparer.	A	75	Optional
DatePrepared	Date return was prepared.	A	10	Optional YYYY-MM-DD
PreparerFirm	Name of tax preparer’s firm.	A		Optional
BusinessName	Name of tax preparer’s business.	A	50	
Address	Address of tax preparer.			Optional
AddressLine1		A	40	
AddressLine2		A	40	Available if needed.
InCareOfName	Contact name	A	50	
City	City of tax preparer.	A	30	
State / Province	State of tax preparer.	A		State code from table in schema.

Table 8 (cont.)

Element	Description	Format	Length	Comments / Examples
ZIPCode / PostalCode	Zip code of tax preparer.	N	9	
Country	Country of tax preparer (see table)			
DeclarationOfIntentToEfile	Acts as a digital signature.			
SoftwareID	The ID of the software used to create the XML for the return	A	20	This ID must be registered with BOE.
SoftwareVersion	The version of the software product used to create the XML for the return	A	20	
Contact	Contact name for questions regarding the return/prepayment.			Optional: There is one attribute TypeOfContact to describe whether this is a General contact or a Technical contact.
BusinessAddress				Optional
<b>UseTaxReturn</b>				
PurchasesSubjectUseTax	Purchases subject to use tax.	N	11	Optional
usedAtBusinessLocation	Indicates if all purchases were used at the business location.	A	1	If sent, "X" must be used as the value.
PartialExemptions	Partially taxable transactions (exemptions).	N	11	Optional.
TaxBreakDown	Calculated tax breakdowns.	N	11	Optional: If transmitted, they must contain the correct breakdown of the total tax calculated.
StateTax	The portion of the calculated tax due that corresponds to the State Tax.	N	11	
CountyTax	The portion of the calculated tax due that corresponds to the County Tax.	N	11	
LocalTax	The portion of the calculated tax due that corresponds to the Local Tax.	N	11	
AdjustmentsToLocalTaxMeasure	This adjustment represents an adjustment for sales made to an aircraft common carrier.	N	11	This adjustment requires a schedule that is not at present available for eFiling. This element is intended for future use.
ReportedTotalTaxDue	The calculated amount of total taxes due including State, County, Local, and District before adjustments for credits.	N	11	
<u>Credits</u>				
SalesTaxPaidOtherStates	Credit for tax paid to other states.	N	11	Optional: To claim this credit, the purchase price must be included in PurchasesSubjectUseTax.
<u>PriorPeriodCredit</u>	Credit taken for prior period overpayments.	N	11	Optional: Taxpayer may claim prior period credits if the BOE has authorized the credit (BOE will send a letter to the taxpayer).  There is a limit of five prior credits that can be claimed.  This element has two attributes: Year and Quarter
<u>PriorPeriodCredit (cont.)</u>				
year	The year in which the prior period credit is associated with.	N	4	Optional
quarter	The quarter for which the prior	N	1	Optional: Valid values are 1, 2, 3 or 4.

Table 8 (cont.)

Element	Description	Format	Length	Comments / Examples
	period credit is associated with.			
SalesTaxPrepayment	Credit taken for prepayments made for the period.	N	11	Optional: This field would only be valid for a return filing. There is one attribute for this element: prepayRequirementNumber
prepayRequirementNumber	The prepayment requirement being claimed.	N	1	Valid values are 1, 2, or 3.
SalesTaxPrepaidToFuelSuppliers				This element does apply to this transmittal type. Do not send.
Penalty	Penalty of 10% on tax due if filing after the period due date.	N	9.2	Reported in dollars and cents. Example 0.00
Interest	Interest on tax due if filing after the period due date.	N	9.2	Reported in dollars and cents. Example 0.00. An interest calculator may be found at <a href="http://www.boe.ca.gov">www.boe.ca.gov</a> .
<b>SUTScheduleA</b>	Schedule for reporting District Tax distribution.			
SalesDeliveredOutsideDistrict	The amount of taxable sales made by the business to customers outside of a District Tax area.	N	11	The sum of this amount and the total AllocationAmount must equal the calculated measure of Sales less Deductions and/or Exemptions.
STJCode	District Tax jurisdiction code.			Valid codes and rates may be found at <a href="http://www.boe.ca.gov">www.boe.ca.gov</a> as well as the BOE XML Schema.
AllocationAmount	Total taxable sales made in the District.	N	11	
AdjustmentAmount	Adjustments to the AllocationAmount.	N	11	
STJTaxDue	Calculated tax based upon the AllocationAmount.	N	11	
TotalSTJTaxDue	Total District Tax due for all Districts.	N	11	
<b>UTaxScheduleE</b>	Schedule for reporting Local Tax allocation by County.			
<u>CountyAllocation</u>	Allocation of Local Tax by County.			Optional: May include zero amounts.
County	County code and name of the County	A		In the format NN-xxxxxxx for example 34-Sacramento (See table of California Counties included in the BOE XML Schemas).
Amount	Total Local Tax allocated to the County.	N	11	
<u>PermanentBusinessLocation</u>	Permanent business location in California. Provides the tax area code and local tax amount.	N	11	
Amount	Amount of Local Tax allocated to the permanent business location.	N	11	
<u>TaxAreaCode</u>	The tax area code of the permanent business location assigned by the BOE.			Retrieved from the FilingPeriodResponse.
CountyCode	County Code portion of the tax area code.	N	2	
LocalCode	Local Code portion of the tax area	N	3	

Table 8 (cont.)

Element	Description	Format	Length	Comments / Examples
	code.			
DistrictCode	District Code portion of the tax area code.	N	3	
InlieuCode	Special In-Lieu Code portion of the tax area code.	N	4	
NothingToReport	No Local Tax to report to the County or PermanentBusinessLocation.	A	1	Valid value when applicable is "X". This is used when there are no taxable sales made during the reporting period (i.e. no Local Tax to report).
<b>UTMultiPeriodDetail</b>	This schedule is for reporting use tax transactions for various rates.			This information should be included in the UseTaxReturn element as a summary for the return.
TransactionPeriod				Optional: Each occurrence must explain which rate and period the sales and deductions apply to: The three attributes, TaxPeriodBeginDate, TaxPeriodEndDate and Rate are used to provide this information.
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	N	10	YYYY-MM-DD
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	N	10	YYYY-MM-DD
Rate	Identifies the rate to apply to the transactions.	N		
PurchasesSubjectUseTax		N	11	Optional
PartialExemptions		N	11	Optional
<b>Prepayment</b>				
<u>SUTPrepayment</u>	Prepayment filing			Each transmission should include only a return or prepayment, but not both.
PrepaymentRequirementNumber	Prepayment period being filed.	N	1	A taxpayer may be required to file one, two, or three prepayments during a quarterly period. This number indicates which prepayment is being filed.
Amount	Amount of pre-payment	N	11	
PriorPeriodCredit	Pre-payment credits as a result of over payments made in prior quarters.	N	11	Taxpayer may claim prior period credits if the BOE has authorized the credit (BOE will send a letter to the taxpayer).  There is a limit of five prior credits that a taxpayer may claim.
PriorPeriodCredit (cont.)				This element has two attributes: Year and Quarter
Year	The year in which the prior period credit is associated with.	N	4	Must be in YYYY format.
Quarter	The quarter for which the prior period credit is associated with.	N	1	Valid values are 1, 2, 3 or 4.
Penalty	Penalty of 6% on tax due if filing after the prepayment period due date (not the return due date).	N	9.2	Reported in dollars and cents. Example 0.00

Table 8 (cont.)

Element	Description	Format	Length	Comments / Examples
<b>Payment</b>				
<u>BOEPayment</u>	Required when an ACH Debit is included with the return.			
<u>ACHPayment</u>				
Checking / Savings	Checkbox indicating the bank account is a checking or savings account.			
RoutingTransitNumber	Bank ABA number	N	9	
BankAccountNumber	Bank account number from which the funds will be withdrawn.	A	17	
PaymentAmount	Total payment amount.	N	9.2	Reported in dollars and cents. Example 0.00
IdentificationNumber			15	
AccountHolderName	Name on the tax or fee payer's BankAccount.			Optional
AccountHolderType	Indicates the bank account is a business or personal account.	N	1	Optional: Valid values are 1 or 2.
RequestedPaymentDate	Date when the BOE should initiate debit transaction.	N	10	Optional: YYYY-MM-DD
<u>CreditCardPayment</u>				Only credit card payments made through the official third party processor are accepted. See Section 5.1 for more information.
ProcessorID	Identifies the third party credit card processor.	A	3	Current value is "OPC" for Official Payment Corp.
PaymentAmount				
CardType	Credit card company as returned by the credit card payment provider.			
Authorization	The authorization number returned by the credit card payment provider.	A		
AuthorizationDate	The date the credit card payment was made as returned by the credit card payment provider.	A		
AuthorizationTime	The time the credit card payment was made as returned by the credit card payment provider.	A		
RemainingAmountDue	Indicates when the full payment or part of the payment is made outside of the transmittal (not included with the return).	N	11	Valid values are:  "NR" when payment is made outside the transmittal for non-EFT accounts  "PR" when a partial payment is included in BOEPayment – the remainder of which is included here  "RO" when an ACH payment is made outside the transmittal for EFT accounts  "AC" when an ACH Credit payment is made outside the transmittal for EFT accounts

Table 8 (cont.)

Appendix H – fileDBReturn

Table 9 – Description of XML Tags and Element Format Restrictions (Direct Transmitter to BOE)

Element	Description	Format	Length	Comments / Examples
DBEFilingRequest	Root element for the XML form. Attributes include typeOfFiling			Only “Original” is allowed at this time. Version is “V02.01”
BOEAccountNumber	Tax or fee payer’s BOE account number	N	9	
FilingTransactionID	A unique transaction number assigned by the sender that will be used for error recovery and/or messages.	A	20	This value must match the Transaction ID that the Transaction Content section of the BOETransactionRequestHeader indicated was being filed.
Timestamp	Transaction sent date	A	8	yyyy-mm-ddThh:mm:sszzzz where zzzz represents the time zone differential.
TaxPeriodBeginDate	The beginning date of the period for which the taxpayer is filing a return or prepayment.	A	10	YYYY-MM-DD. For prepayment forms, this field should contain the period of the prepayment, not the quarterly period.
TaxPeriodEndDate	The end date of the period for which the taxpayer is filing a return or prepayment.	A	10	YYYY-MM-DD. For prepayment forms, this field should contain the period of the prepayment, not the quarterly period.
TaxPeriodDueDate	The due date of the return for the given period.	A	10	Optional: YYYY-MM-DD. For prepayment forms, this field should contain the due date of the prepayment, not the quarterly period.
PeriodEFTIndicator	The indicator for the type of EFT account.	A	1	If the EFTIndicator in the FilingPeriodResponse was populated, that value must be returned.
PreparerInformation	Information about the person preparing the tax return. Includes the attribute typeOfPreparer.			Valid values are “Taxpayer” or “PaidPreparer”
Name	Name of tax preparer	A	50	
Title	Title of tax preparer	A	35	Optional
PreparerID	A BOE assigned ID number to a tax preparer.	N	11	Optional. Not used at this time.
Phone	Phone number for tax preparer.	A	15	Optional
Fax	Fax number for tax preparer.	A	15	Optional
EmailAddress	Email address for tax preparer.	A	75	Optional
DatePrepared	Date return was prepared.	A	10	Optional YYYY-MM-DD
PreparerFirm	Name of tax preparer’s firm.	A		Optional
BusinessName	Name of tax preparer’s business.	A	50	
Address	Address of tax preparer.			Optional
AddressLine1		A	40	
AddressLine2		A	40	Available if needed.
InCareOfName	Contact name	A	50	
City	City of tax preparer.	A	30	
State / Province	State of tax preparer.	A		State code from table in schema.

Table 9 (cont.)

Element	Description	Format	Length	Comments / Examples
ZIPCode / PostalCode	Zip code of tax preparer.	N	9	
Country	Country of tax preparer (see table)			
DeclarationOfIntentToEfile	Acts as a digital signature.			
SoftwareID	The ID of the software used to create the XML for the return	A	20	This ID must be registered with BOE.
SoftwareVersion	The version of the software product used to create the XML for the return	A	20	
Contact	Contact name for questions regarding the return/prepayment.			Optional: There is one attribute TypeOfContact to describe whether this is a General contact or a Technical contact.
BusinessAddress				Optional
<b>DBTaxReturn</b>				
<u>FuelReturnInformation</u>				
	Fuel return information for a particular type of fuel.			Only one FuelReturnInformation element is allowed for each type of fuel.
TypeOfFuel	The type of fuel for this information section.	A		Valid values are "MVF", "Diesel", or "AJF"
TotalRemovalsEntriesSales	The total sales, removals, or entries (in gallons) for this type of fuel.	N	11	
ExemptionsCredits	Exemptions and/or credits.	N	11	
PrepaymentAmountDue	The amount of prepayment of sales tax on fuel sales collected.	N	11	This value must agree with the total amount from DBScheduleA.
AmountPrepaidToOthers	The amount of sales tax prepaid to fuel suppliers.	N	11	This value must agree with the total amount from DBScheduleB.
AmountDue	The amount of tax due for this type of fuel.	N	11	
Penalty	Penalty of 10% on tax due if filing after the period due date.	N	9.2	Reported in dollars and cents. Example 0.00
Interest	Interest on tax due if filing after the period due date.	N	9.2	Reported in dollars and cents. Example 0.00. An interest calculator may be found at <a href="http://www.boe.ca.gov">www.boe.ca.gov</a> .
TotalAmountDue	The total amount due including tax due, penalty, and interest.	N	9.2	
CombinedAmountDue	The combined amount due from all FuelReturnInformation elements.	N	9.2	
<b>DBScheduleA</b>				
<u>TaxableFuelTransaction</u>				
	An individual fuel transaction detailing the prepayment of sales tax on fuels collected.			
monthYear	The month and year when the fuel transaction occurred.	N	4	Must be in MMY format.
Name	The name of the fuel retailer or wholesaler.	A	50	
AccountNumber	The BOE account number of the retailer or wholesaler.	N	9	
<u>FuelDetail</u>				
	The detailed information on the fuel transaction.			
TypeOfFuel	The type of fuel sold to the retailer or wholesaler.	A		Valid values include "MVF", "Diesel", or "AJF".
Rate	The official rate for the type of fuel for the period of the return.	N	1.5	If this is used instead of ReportedRate, monthYear must be within the period of the

Table 9 (cont.)

Element	Description	Format	Length	Comments / Examples
				return. Use getSUTPrepayFuelRates to retrieve the fuel rates in effect.
ReportedRate	The taxpayer reported rate for the transaction.	N	1.5	Use this element instead of Rate only if the transaction was made outside of the period of the return or the rate is not the same as the official rate
Gallons	The gallons of fuel sold to the retailer or wholesaler.	N	11	
Tax	The amount of tax prepaid to the fuel retailer or wholesaler.	N	11.2	
NothingToReport	No prepayment of sales tax on fuel sales to report.			If sent, "X" must be used as the value.
<b>DBScheduleB</b>				
<u>PrepaidSUTFuelTransaction</u>				
monthYear	The month and year when the fuel transaction occurred.	N	4	Must be in MMY format.
Name	The name of the fuel supplier.	A	50	
AccountNumber	The BOE account number of the supplier.	N	9	
<u>FuelDetail</u>				
TypeOffuel	The type of fuel purchased from the supplier.	A		Valid values include "MVF", "Diesel", or "AJF".
Rate	The official rate for the type of fuel for the period of the return.	N	1.5	If this is used instead of ReportedRate, monthYear must be within the period of the return. Use getSUTPrepayFuelRates to retrieve the fuel rates in effect.
ReportedRate	The taxpayer reported rate for the transaction.	N	1.5	Use this element instead of Rate only if the transaction was made outside of the period of the return or the rate is not the same as the official rate
Gallons	The gallons of fuel purchased from the supplier.	N	11	
Tax	The amount of tax prepaid to the fuel supplier.	N	11.2	
NothingToReport	No prepaid sales tax to report.			If sent, "X" must be used as the value.
<b>Payment</b>				
<u>BOEPayment</u>				
	Required when an ACH Debit is included with the return.			
<u>ACHPayment</u>				
Checking / Savings	Checkbox indicating the bank account is a checking or savings account.			
RoutingTransitNumber	Bank ABA number	N	9	
BankAccountNumber	Bank account number from which the funds will be withdrawn.	A	17	
PaymentAmount	Total payment amount.	N	9.2	Reported in dollars and cents. Example 0.00
IdentificationNumber			15	
AccountHolderName	Name on the tax or fee payer's BankAccount.			Optional

Table 9 (cont.)

Element	Description	Format	Length	Comments / Examples
AccountHolderType	Indicates the bank account is a business or personal account.	N	1	Optional: Valid values are 1 or 2.
RequestedPaymentDate	Date when the BOE should initiate debit transaction.	N	10	Optional: YYYY-MM-DD
<u>CreditCardPayment</u>				Only credit card payments made through the official third party processor are accepted. See Section 5.1 for more information.
ProcessorID	Identifies the third party credit card processor.	A	3	Current value is "OPC" for Official Payment Corp.
PaymentAmount				
CardType	Credit card company as returned by the credit card payment provider.			
Authorization	The authorization number returned by the credit card payment provider.	A		
AuthorizationDate	The date the credit card payment was made as returned by the credit card payment provider.	A		
AuthorizationTime	The time the credit card payment was made as returned by the credit card payment provider.	A		
RemainingAmountDue	Indicates when the full payment or part of the payment is made outside of the transmittal (not included with the return).	N	11	Valid values are:  "NR" when payment is made outside the transmittal for non-EFT accounts  "PR" when a partial payment is included in BOEPayment – the remainder of which is included here  "RO" when an ACH payment is made outside the transmittal for EFT accounts  "AC" when an ACH Credit payment is made outside the transmittal for EFT accounts

# Appendix I – Error Codes and Messages

## Table 10 – Error Codes and Descriptions

<b>Error Code</b>	<b>Error Description</b>	<b>Notes</b>
001	Invalid transmission type.	
002	Electronic Return Originator Identifier required.	
003	Electronic Return Originator is not a valid Client.	
004	Client is not a valid Electronic Return Originator.	
006	Account number is invalid.	
008	Electronic Return Originator Identifier is not numeric.	
009	Electronic Return Originator Transaction Identifier is required.	
010	The account is not eligible to eFile at this time.	
023	Periods ending prior to 01/01/99 are not eligible to eFile.	
024	Warehouse date cannot be greater than the period due date.	
026	The end date for the period filed must be greater than the from date.	
027	Sender client identifier is not numeric.	
028	Period is not valid.	
029	Account currently does not meet eFiling criteria. Please make sure the account is eligible for eFiling.	
030	Transaction has already been accepted.	
031	Filing date is invalid.	
032	Filing time is invalid.	
033	Warehouse date is invalid.	
034	Fund code is invalid	
037	Payment amount is required.	
038	Payment amount is not numeric.	
039	Payment method is required.	

Table 10 (cont.)

Error Code	Error Description	Notes
040	Payment method is invalid.	
041	ABA number is required.	
042	Bank account number is required.	
043	ABA number is not numeric.	
044	Payment amount must be greater than zero.	
045	"From Date" for the period is invalid.	
046	"To Date" for the period is invalid	
047	From and To Dates for the period are required.	
048	Reported Tax Due exceeds 10 N.	
049	Penalty amount exceeds 9 N.	
050	Interest amount exceeds 9 N.	
054	Fund code is required.	
055	Schedule measure or adjustment is required.	
058	Fund code is not numeric.	
059	Schedule measure is not numeric.	
060	Schedule adjustment is not numeric.	
064	Transaction rejected - return for the period already exists.	
070	Payment method is invalid for credit card transaction.	
072	Bank account type is required.	
073	Banking information is not required for ACH-Credit	
074	Bank account type is not valid.	
075	Mandatory EFT accounts cannot pay by credit card	
076	Amount paid must be zero for ACH-Credit	
100	Transaction has been unsuccessfully processed – please contact the BOE	Indicates that there is a problem in BOE processing. Notify the eServices Coordinator via email immediately.
300	Broker Error	Indicates that there is a communication error. Notify the eServices Coordinator via email immediately.

Table 10 (cont.)

Error Code	Error Description	Notes
301	Broker Parameters missing	Notify the eServices Coordinator via email immediately.
310	Parsing Error	General XML parsing errors—check element formatting
320	HTTP post parameters and XML element data do not agree	Issued when sender ID, account, and password in the post parameters do not match the XML elements. Verify parameters with matching XML element values.
321	DTD file not found	Issued when BOE cannot find the appropriate DTD file. TAX-PROG, FORM-ID and FORM-VER of the post parameters are used to identify the correct DTD file. This message is issued when they do not match as expected—verify post parameters and then contact BOE if necessary.
322	Un-secure Transmission	Issued when not using HTTPS access
323	Invalid Request	Issued when request is not ACCT-REQ or SUT-E401
324	HTTP Post parameter missing	Issued when a HTTP Post parameter that is not associated with a specific error code is missing. Verify parameters and values.
330	Data too long	Issued when any data value that is not otherwise associated with a specific error code is too long for the corresponding mainframe field.
331	Not N	Issued when whole dollar amounts are entered as decimals or when too many digits exist in N fields
332	Invalid currency amount	
333	Invalid date	
340	Mid-tier error	Issued when other unspecified mid-tier errors occur. May occur with one of the other error codes indicated above.
341	Direct Transmitter ID and/or password is invalid	Notify the eServices Coordinator via email immediately for verification of ID and password.
350	BOE eFiling internal routing error - can't determine output URL	Issued when BOE is unable to process the message because of missing URL information
351	BOE eFiling internal routing error - can't connect to app server, contact BOE	Issued when BOE is unable to process the incoming message.

Table 11 – Warning Messages

Error Code	Description	Notes
	Current period to file cannot be established	Issued when the taxpayer is eligible to file electronically but currently has no open period to file for.
	Your account needs to be reinstated. Although we have accepted your return transaction, the reinstatement process has not been completed. Please contact a BOE representative	Issued when an account needs to be reinstated. The return was accepted for warehousing, but the reinstatement process has not been completed. This message should be displayed for the tax or fee payer's benefit.