



## CPR Web Service API

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**CPR Web Service URL:** <http://cprws.truckstop.com/CPRWebservice.asmx>

## **CPR Web Service Requests**

### **1. CPR Search:** *Searches for Carriers by their MC Number.*

The CPR search request returns a CPRSearchResult object that contains what carriers match the provided motor carrier number (MC Number). The name, city, and state help identify the carrier with which you wish to retrieve data. The ID returned is used in the next web service to get the actual carrier report information.

#### **Required**

1. string UserName
2. string Password
3. int IntegrationID
4. string CarrierMCNumber – the MC number for the company being searched for. The MC number must have the 2 letter prefix (MC, MX, FF) followed by 6 numbers here are some examples:
  - a. FF001234 – Freight Forwarder
  - b. MC123456 – US Carrier
  - c. MX123456 – Mexican carrier

#### **Returns**

CPRSearchResult

## Code Examples

### ***C#.NET Requesting the Carrier ID, name, City, State, Corporate, and Active state***

```
...  
  
Boolean ActiveOnly = true;  
CPRWebService myService = new CPRWebservice();  
CPRRequest myRequest = new CPRRequest();  
myRequest.MCNumber = CarrierMCNumber;  
myRequest.UserName = xxxxx; // must get at signup.  
myRequest.Password = xxxxx; // must get at signup.  
myRequest.IntegrationID = myIntegrationID; // must get at signup.  
myRequest.ReportID = 0;  
  
SearchResults myResults = myService.CPRSearch(myRequest);  
foreach(CPRLISTItem thisItem in myResults.ResultListItems)  
{  
    if(ActiveOnly.Equals(false) || (ActiveOnly && thisItem.Active.Equals("A")))  
    {  
        Console.Write(thisItem.ID + ", " + thisItem.CompanyName + ", " + thisItem.City + ", " + thisItem.State);  
        Console.WriteLine(", " + thisItem.Corporate + ", " + thisItem.Active);  
    }  
}  
foreach (Error myItem in myResults.RequestErrors)  
{  
    Console.WriteLine(myItem.ErrorMessage);  
}  
...
```

### ***VB.NET Requesting the Carrier ID, name, City, State, Corporate, and Active state.***

```
...  
  
DIM ActiveOnly As Boolean  
DIM myRequest As New CPRRequest()  
DIM myWebService As New CPRWebService  
DIM myresults as New SearchResults  
  
myRequest.MCNumber = CarrierMCNumber  
myRequest.UserName = xxxxx ' must get at signup.  
myRequest.Password = xxxxx ' must get at signup.  
myRequest.IntegrationID = myIntegrationID ' must get at signup.  
myRequest.ReportID = 0  
  
myresults = myWebService.CPRSearch(myRequest)  
  
DIM ThisItem as CPRLListItem  
For Each ThisItem in myresults.ResultListItems  
    if ActiveOnly = false or (ActiveOnly and ThisItem.Active = "A") then  
        Console.Write(ThisItem.ID & " " & ThisItem.CompanyName & " " & ThisItem.City & " ")  
        Console.WriteLine(ThisItem.State & " " & ThisItem.Corporate & " " & ThisItem.Active)  
    end if  
Next  
DIM myError as [Error]  
For Each myError in myresults.RequestErrors  
    Console.WriteLine(myError.ErrorMessage)  
Next  
...
```

## ***JAVA Requesting the Carrier ID, Name, City, State, Corporate, and Active state***

```
package usingcprwebservicej;

public class Main
{
    public static void main(String[] args)
    {
        boolean ActiveOnly = true;
        usingcprwebservicej.CPRWebService service = new usingcprwebservicej.CPRWebService();
        usingcprwebservicej.CPRWebServiceSoap port = service.getCPRWebServiceSoap12();
        usingcprwebservicej.CPRRequest myRequest = new usingcprwebservicej.CPRRequest();
        myRequest.mcNumber = theMCNumber;
        myRequest.userName = xxxxx; // Get at signup.
        myRequest.password = xxxxx; // Get at signup.
        myRequest.reportID = 0;
        myRequest.integrationID = myIntegrationID; //Get at signup.
        usingcprwebservicej.SearchResults myResults = service.getCPRWebServiceSoap12().cprSearch(myRequest);

        for(usingcprwebservicej.CPRLISTItem thisItem : myResults.resultListItems.getCPRLISTItem())
        {
            if(ActiveOnly == false || (ActiveOnly && thisItem.Active.Equals("A")))
            {
                System.out.print(thisItem.id + ", " + thisItem.companyName + ", " + thisItem.city + " " + thisItem.state);
                System.out.println(", " + thisItem.Corporate + ", " + thisItem.Active);
            }
        }
        for(usingcprwebservicej.Error myItem : myResults.requestErrors.getError())
        {
            System.out.println(myItem.errorMessage);
        }
    }
}
```

## **2. Get CPR Data: Get the Carrier Report data by Company ID.**

Carrier Report information based on the passed ID number retrieved in the above web service call.

### **Required**

1. string UserName
2. string Password
3. string IntegrationID
4. int ID – the company ID

### **Returns**

GetCPRResult

## ***C# Requesting Carrier Report Data***

```
...  
myRequest.ReportID = myResults.ResultListItems[0].ID;  
CPRReport myReport = myWebService.GetCPR(myRequest);  
  
Console.WriteLine(myReport.CompanyInformation.CarrierCompanyName);  
...  
Console.WriteLine(myReport.CarrierRating);  
Console.WriteLine(myReport.SafetyRating);  
Console.WriteLine(myReport.AllCertificates);  
Console.WriteLine(myReport.TheAuthorities.CommonAuthority);  
...  
Console.WriteLine(myReport.LiabilityInsurance.Name);  
...  
Console.WriteLine(myReport.CargoInsurance.Name);  
...  
Console.WriteLine(myReport.CarrierReportNumbers.Good.UpTo30Days);  
...  
Console.WriteLine(myReport.CarrierReportNumbers.Bad.UpTo30Days);  
...  
foreach(GoodReportItem theItem in myReport.GoodReports)  
{  
    Console.WriteLine(theItem.ReportDate);  
...  
}  
foreach (OtherReportItem theItem in myReport.BadReports)  
{  
    Console.WriteLine(theItem.ReportDate);  
...  
    if (theItem.ReactivationDate.Length > 0)  
    {  
        Console.WriteLine(theItem.ReactivationDate);  
    }  
    Console.WriteLine("\n");  
}  
}
```

```
}  
...
```

## **VB.NET Requesting Carrier Report Data**

```
...  
  
myRequest.ReportID = ThisItem.ID  
DIM myReport As CPRReport  
myReport = myWebService.GetCPR(myRequest)  
Console.WriteLine(myReport.CompanyInformation.CarrierCompanyName)  
...  
Console.WriteLine(myReport.CarrierRating);  
Console.WriteLine(myReport.SafetyRating);  
Console.WriteLine(myReport.AllCertificates);  
Console.WriteLine(myReport.TheAuthorities.CommonAuthority);  
...  
  
Console.WriteLine(myReport.LiabilityInsurance.Name);  
...  
  
Console.WriteLine(myReport.CargoInsurance.Name);  
...  
  
Console.WriteLine(myReport.CarrierReportNumbers.Good.UpTo30Days);  
...  
  
Console.WriteLine(myReport.CarrierReportNumbers.Bad.UpTo30Days);  
...  
  
For Each theItem As GoodReportItem in myReport.GoodReports  
    Console.WriteLine(theItem.ReportDate);  
...  
  
Next  
For Each theItem As OtherReportItem In myReport.BadReports  
    Console.WriteLine(theItem.ReportDate);  
...  
  
Next
```



### ***JAVA using CPR WS Requesting Carrier Report Data.***

```
myRequest.reportID = myItem.id;  
usingcprwebservicej.CPRReport myReport = service.getCPRWebServiceSoap12().getCPR(myRequest);  
System.out.println(myReport.companyInformation.carrierCompanyName);  
...  
System.out.println(myReport.companyInformation.companyDescribed);  
System.out.println(myReport.carrierRating);  
System.out.println(myReport.safetyRating);  
System.out.println(myReport.allCertificates);  
System.out.println(myReport.theAuthorities.commonAuthority);  
...  
System.out.println(myReport.liabilityInsurance.name);  
...  
System.out.println(myReport.cargoInsurance.name);  
...  
System.out.println(myReport.carrierReportNumbers.good.upTo30Days);  
...  
System.out.println(myReport.carrierReportNumbers.bad.upTo30Days);  
...  
for(usingcprwebservicej.GoodReportItem theItem :  
myReport.goodReports.getGoodReportItem()) {  
    System.out.println(theItem.reportDate);  
...  
    System.out.println();  
}  
for(usingcprwebservicej.OtherReportItem theItem :  
myReport.otherReports.getOtherReportItem()) {  
    System.out.println(theItem.reportDate);  
...  
    System.out.println();  
    System.out.println(theItem.reportText);  
    System.out.println();  
    System.out.println(theItem.carrierResponse);  
    if(theItem.reactivationDate.length() > 0)  
    {  
        System.out.println(theItem.reactivationDate);  
    }  
    System.out.println();  
}  
}  
}
```

## Object Descriptions

### ***Object SearchResults***

- Error[] RequestErrors
- CPRListItem[] ResultListItems

### ***Object CPRListItem***

- string City – 40 characters max.
- string CompanyName – 100 characters max.
- string State – 2 characters
- string Corporate – 1 character, “C” orporate, “S” ub account.
- string Active – 1 character, “A” ctive account, “I” nactive.
- Error[] SearchErrors
- int ID

### ***Object CPRReport***

- Error[] CPRErrors
- CompanyDescription CompanyInformation
- String CarrierRating – 2 characters max, can be “NA”
- String SafetyRating – 2 characters max, can be “NA”. Typical values are “I”nactive or “A”ctive.
- String AllCertificates – 3 characters maximum “YES” or “NO”
- Authorities TheAuthorities
- Insurance LiabilityInsurance
- Insurance CargoInsurance
- ReportNumbers CarrierReportNumbers

- GoodReportsItem[] GoodReports
- OtherReportItem[] OtherReports

### ***Object Error***

- String ErrorMessage ***Object***

### ***CompanyDescription***

- String CarrierCompanyName – 100 characters max, can be “NA”.
- String CarrierAddress – 50 characters max, can be “NA”.
- String CarrierCity – 40 characters max, can be “NA”.
- String CarrierState – 2 characters, can be “NA”.
- String CarrierZip – 10 characters max, can be “NA”.
- String CarrierPhone – 20 characters max, can be “NA”.
- String CarrierFax – 20 characters max, can be “NA”.
- String CarrierEmail – 100 characters max, can be “NA”.
- String CarrierTollFree – 20 characters max, can be “NA”.
- String CarrierWebSite – 100 characters max, can be “NA”.
- String CarrierMCNumber – 50 characters max, typical is 6, can be “NA”.
- String DOTNumber – 50 characters max, can be “NA”.
- String MCType – Not needed, this is a duplication of CarrierMCNumber.
- String InActive – 3 characters, “YES” and “NO”.
- String Notes – 2000 characters max. Can be “NA”.
- String MemberOfTruckCarriersAssociation – 3 characters max, “YES” or “NO”.
- String TotalNumberOfTrucks – Size of a signed integer. Typical size is 3 characters or less.
- String SpecialServices
- String CompanyDescribed

### ***Object Authorities***

- String CommonAuthority – 2 characters max. Can be “NA”.
- String ContractAuthority – 2 characters max. Can be “NA”.
- String AuthorityDate – 4 characters, can be “NA”.

### ***Object Insurance***

- String Name – 45 characters max, can be “NA”.
- String Phone – 16 characters max, can be “NA”.
- String Date – 10 characters normally, but can be “NA”.
- String Attention – 45 characters max, can be “NA”.

### ***Object ReportNumbers***

- Allcounts Bad
- Allcounts Good

### ***Object Allcounts***

- int UpTo30Days
- int From30To90Days
- int From90To365Days

### ***Object GoodReportsItem***

- string ReportDate – 10 characters.
- string ReportSource – 50 characters maximum.
- string ReportText – 2000 characters maximum.

### ***Object OtherReportItem***

- string ReportDate – 10 characters.
- string ReportSource – 50 characters maximum.
- string ReportText – 2000 characters maximum.
- string ComplaintType
- string ReactivationDate – 10 characters.
- string CarrierResponse – 1000 characters maximum.