**Contact Validation Rules
Transition from thin to thick Whois of .COM and .NET
(as of May 24, per IRT discussions)**

|   | Field Length  | Valid Values  | Required  | Comments   |
| --- | --- | --- | --- | --- |
| Contact ID  | Min 3 – Max 16  | [a-zA-Z0-9][a-zA-Z0-9-\_]{1,14}[a-zA-Z0-9]* 1st digit is alphanumeric
* 2nd digit is alphanumeric, hyphen or underscore
* Optionally followed by up to 14 alphanumeric
 | Y  |   |
| Postal Info type | 3 | locint | Y |  |
| Name  | Min 1 – Max 64   | UTF8  or a subset of UTF8 that can be represented in 7-bit ASCII   | N  |   |
| Organization  | Max 64  |   | N  |   |
| Address 1  | Max 64  | Localized or International characters  | N  | Address fields can be either ALL localized or ALL international characters |
| Address 2  | Max 64  | Localized or International characters   | N  |   |
| Address 3  | Max 64  | Localized or International characters   | N  |   |
| City  | Max 64  | Localized or International characters   | N  |   |
| State  | Max  64  | Localized or International characters   | N  |   |
| Zip  | Max 16  | Localized or International characters   | N  |   |
| Country  |   | 2 char country code   | N  | See ISO3166-1. This validation will be used for postal info = "int" and postal info = "loc". |
| Phone  | Max 17  | \\+[0-9]{1,3}\\.[0-9]{1,14})+countrycode.subscribernumber* 1st digit is “+”
* Followed by 1 to 3 digit country code
* A “.” Follows the country code
* Maximum length of subscriber number depends on the length of the country code

For example, if country code is 3 digits, then maximum subscriber number = 15 − cc = 12 digits | N  | Phone is required if Phone Ext is provided |
| Phone Extension  | Max 7  | ([0-9]{1,7})* Up to 7 digits maximum
* Only numeric values
 | N  | Not allowed if phone is null  |
| Fax  | Max 17  |  \\+[0-9]{1,3}\\.[0-9]{1,14})Same as Phone. See above.  | N  | Fax is required if Fax Ext provided  |
| Fax Extension  | Max 7  | ([0-9]{1,7})* Up to 7 digits maximum
* Only numeric values
 | N  | Not allowed if Fax is null |
| Email  | Min 6 – Max 254  | "^[A-Za-z0-9][-\\.A-Za-z0-9\_]\*\\@\\[?[-\\.A-Za-z0-9]+\\.([A-Za-z]{2,63})\\]?$"* Must Start with Alphanumeric (at least 1 character)
* Optionally followed by [-.A-Za-z0-9\_]
* Followed by @
* Followed by at least 1 [-.A-Za-z0-9]
* Followed by .
* Must end with 2-63 character string
 | N  |   |
| Auth Info  | Min 8 - Max 32  | Require at least one number, one alphabet, and one special character.  | Y  | Same validation as auth info for domain  |

The Postal Info includes the following:

Name

Organization

Address 1

Address 2

Address 3

City

State

Zip

Country

The postal info can either be  "loc" [UTF8] or "int" [a subset of UTF8 that can be represented in 7-bit ASCII].
For the "int" postal info, we validate that all characters are printable ASCII characters.
For the "loc" postal info, there is no validation on the character set.
A contact must have ONLY 1postal info -- “int” OR “loc”.